



center for children's
healthy lifestyles &
nutrition

2017 Annual Report

2017 was a very productive year for the Center for Children's Healthy Lifestyles & Nutrition (CHLN). We continued to grow both in terms of our number of members (we're up to 45 now) and in terms of the programmatic areas of expertise we represent. This year we've added members from team, Biostatistics Occupational Therapy, Cardiology, Health Promotion and Endocrinology, in addition to our strong existing base in Medicine, Psychology, Public Health, Exercise Physiology, Nutrition and Pediatrics.

CHLN Awarded Grants

In 2017 we distributed several grants, including the continuation of our annual CHLN Pilot grant program. Our grant program is led by the Center Director, in partnership with the Scientific Directors (Drs. Susana Patton and John Thyfault) and the new Associate Director (Dr. Delwyn Catley). All of our grant programs are strategically focused on providing support to our more junior colleagues, in order to eventually grow the number of NIH R01 funded PIs at CHLN. This will enable us to reach our Center goals of applying for larger group grants, such as the NIH T32 training grant, or the NIH Nutrition Obesity Research Center (NORC) grant. Through our internal competitive NIH style grant program, we are able to award internal pilot funds to center members who are planning to collect data toward an NIH grant submission. Congratulations to these award recipients who received \$33,000 each for the 2017 fiscal year:

“Brain Activity, Physical Activity, Adiposity, and Reward”

Dr. Robin Shook (w/Dr. Amanda Bruce), CMH/KUMC

“Changing Adolescents’ Brain Responses to E-Cigarette Marketing with Media Literacy Intervention”

Dr. Laura Martin (w/Drs. Yvonne Chen and Delwyn Catley), KUMC/CMH

Pilot grants for 2018 are due March 23rd, and we received 6 letters of intent and expect a similar number of completed applications. We also now offer graduate student travel grants, which allow our CHLN graduate students to travel to national conferences to present data they have collected in partnership with their CHLN faculty mentors. As a new program in 2017, CHLN started to offer shared equipment grants. The call for proposals was released in March, and we received 3 proposals. After scientific review, the proposal submitted by Dr. Jordan Carlson (w/Drs. Robin Shook, Ann Davis and Ms. Kate Hoppe) was funded for a total of \$7500 to allow Dr. Carlson to purchase equipment related to the measurement of physical activity for his use and for the use of other center members. The Center also funds a competitive Graduate Research Assistant stipend/tuition program. Interested Center faculty submit an application to have a GRA of their choosing work with them for one year, with all stipends and tuition paid by CHLN. In 2017 we received 5 complete CHLN funded GRA applications, and were able to fund 3. Recipients included:

“The effects of a children’s exercise program on body composition and neuromuscular performance”

Dr. Trent Herda (w/Drs. Deb Sullivan and Jordan Carlson)

“Graduate Assistantship in Energy Balance Research”

Dr. Robin Shook (w/Drs. Thyfault, Morris, Bruce and Fazzino)

“Eating and Activity Behaviors in Young Children with Autism Spectrum Disorders”

Dr. Meredith Dreyer Gillette (w/Dr. Susana Patton)

New Federal Grants Obtained in 2017

R01 AR071263 Thyfault, Neuffer (MPI) 1/20/2017 – 7/22/2022
Statins, Mitochondrial Function, and Aerobic Capacity
The goal of this grant is to examine if statins negatively impact skeletal muscle mitochondrial function and aerobic capacity and if statins negatively impact exercise adaptations.

R21 AG056062 Thyfault (PI) 5/1/17 – 4/30/19
Skeletal muscle mitochondrial Abnormalities in Alzheimer's Disease
The goal of this project is to determine if Alzheimer's disease and APOE genotype is associated with skeletal muscle mitochondrial dysfunction.

R01 CA212189 Cupertino (PI) 1/10/17-12/31/21
Title: e-Decidete Mobile Cessation Support for Latino Smokers
The major goals of this study are to evaluate the impact of the culturally accommodated eDecidete program versus standard care on smoking abstinence at Month 6 among Latino smokers; to assess therapeutic alliance, pharmacotherapy utilization, and self-efficacy as mediators of the presumed treatment effect on cotinine-verified 7-day smoking abstinence at Month 6 among Latino smokers; and to conduct a process evaluation that can inform findings and future improvements.
CHLN Co-Investigator: Delwyn Catley

R01 AR070474 Kashikar-Zuck (PI) 6/21/17-5/31/22
Multi-site Randomized Clinical Trial of FIT Teens for Juvenile Fibromyalgia
The purpose of this study is to conduct a rigorous 3-arm multi-site randomized clinical trial to test whether the fit Teens intervention is more effective in reducing disability than CBT alone or graded Aerobic Exercise alone at the 3-month primary endpoint and whether treatment effects are sustained over 1 year.
CHLN Site PI: Mark Connelly

International Life Sciences Institute Shook (PI) 5/2017-5/2018
Use of technology to assess activity and dietary intake in underserved populations
The purpose of this study is to validate and calibrate consumer devices to estimate energy balance using gold-standard methods and a Bayesian semi-parametric approach.
CHLN Co-Investigator: Ann Davis

Highlighted 2017 Publications

Our team also had several high impact publications that have contributed significantly to the literature in pediatric healthy lifestyles. The 10 publications selected to best represent our work include:

Carlson, J.A., *Mitchell, T.B., Saelens, B.E., Staggs, V.S., Kerr, J., Frank, L.D., Schipperijn, J., Conway, T.L., Glanz, K., Chapman, J.E., Cain, K.L., & Sallis, J.F. (2017). Within-person associations of young adolescents' physical activity across five primary locations: Is there evidence of cross-location compensation. *International Journal of Behavioral Nutrition & Physical Activity*, 14, 50.

Dai, H., Hao, J., **Catley, D.** (2017). Vape Shop Density and Socio-demographic Disparities: A U.S. Census Tract Analysis. *Nicotine and Tobacco Research*. doi: 10.1093/ntr/ntx063. 2017.03.20.

Connelly, M., Bromberg, M., Anthony, K., Gil, K., & Schanberg, L. (2017). Use of smartphones to prospectively evaluate predictors and outcomes of caregiver responses to pain in youth with chronic disease. *Pain*, 158(4), 629-636.

Cushing, C. C., *Mitchell, T. B., Bejarano, C. M.*, Walters, R. W., Crick, C. J., & *Noser, A. E. (2017). Bidirectional associations between psychological states and physical activity in adolescents: A mHealth pilot study. *Journal of Pediatric Psychology*. doi:10.1093/jpepsy/jsw099 (Received an honorable

mention for the 2017 Diane J. Willis award for Outstanding Article in the *Journal of Pediatric Psychology*).

*Pona, A., **Dreyer Gillette, M. L.**, *Odar Stough, C., Gerling, J., & **Sweeney, B. R.** Long-term outcomes of a multidisciplinary weight management intervention for youth with disabilities. *Childhood Obesity*. 2017 Dec;13(6):455-461. doi: 10.1089/chi.2016.0334. Epub 2017 Jul 18

Kirk S, Armstrong S, King E, Trapp C, Grow M, Tucker J, Joseph M, Liu L, Weedn A, **Sweeney B**, Fox C, Fathima S, Williams R, Kim R, Stratbucker W, and on behalf of the POWER Work Group. Establishment of the Pediatric Obesity Weight Evaluation Registry: A National Research Collaborative for Identifying the Optimal Assessment and Treatment of Pediatric Obesity. *Child Obes*. 2017 Feb;13(1):9-17.

Myers K, **Nelson E**, Rabinowitz T, Hilty D, Baker D, Barnwell SS, Bernard J. American Telemedicine Association Practice Guidelines for Telemental Health with Children and Adolescents. *Telemedicine J & eHealth*. 2017 Oct; 23(10):779-804.

Patton, SR, *Noser, AE, **Clements, MA**, Dolan, LM, & Powers, SP Reexamining the hypoglycemia fear survey for parents of young children in a sample of children using insulin pumps. *Diabetes Technology and Therapeutics*. 2017 Feb;19(2): 103-108.PMCID: PMC5278793

Thyfault, J.P. and **E. Matthew Morris**. Intrinsic (genetic) aerobic fitness impacts susceptibility for metabolic disease. *Exerc Sport Sci Rev*. 2017 Jan;45(1):7-15. PMID: 27433978.

*Tripicchio, GL, Ammerman, AS, Neshteruk, C., Faith, MS, Dean, K., **Befort, C.**, Ward, DS, Truesdale, KP, Burger, KS, **Davis, A.** Technology components as adjuncts to family-based pediatric obesity treatment in low-income minority youth. *Childhood Obesity*. 2017 Dec;13(6):433-442. doi: 10.1089/chi.2017.0021. Epub 2017 Jul 20.

*= trainee

Listing of all Faculty/Staff at the Center for Children's Healthy Lifestyles & Nutrition

Center Members (Full)

Dr. Charles Barnes is a basic science researcher and the director of the Allergy, Asthma, Immunology Research Laboratory at Children's Mercy Kansas City. His research interests revolve around factors that contribute to allergy and asthma in the pediatric population. He has a 25-year history of identifying protein allergens and studying their prevalence in the environment. Currently he is interested in how these proteins lead to the chronic inflammatory state that associates with asthma and the impact of obesity, and the cytokines produced by adipose tissue, on pediatric asthma.

Dr. Amy Beck is a clinical psychologist at Children's Mercy Kansas City and an associate professor of pediatrics at the University of Missouri-Kansas City School of Medicine. Dr. Beck primarily provides psychological services for families involved in multidisciplinary weight management treatment. She is particularly interested in the impact of psychosocial factors in the etiology and maintenance of pediatric obesity.

Dr. Gina Besenyi is assistant professor in the Department of Kinesiology, College of Human Ecology at Kansas State University and Director of the Physical Activity Research in Community Settings (PARCS).

Dr. Timothy Blaufuss is a Pediatric Gastroenterology Fellow at Children's Mercy Kansas City, clinically interested in obesity. Under the direction of Dr. John Thyfault at KU Medical Center, we are currently investigating the role in physical activity and its protective effects in relation to fatty liver disease.

Andrea Bradley-Ewing is the Director of Community Engaged Research in the division of Health Services and Outcomes Research at Children's Mercy Kansas City. Ms. Bradley-Ewing is primarily interested in engaging patients and members of the community in the design, development, implementation, and dissemination of health science research. Ms. Bradley-Ewing has collaborated extensively with researchers, health care providers, patients and families, and community organizations to develop and test effective individual and community level strategies to promote health behavior change, particularly in underserved communities. Ms. Bradley-Ewing's current research involves establishing partnership networks between academic health researchers, patients, and community members to improve health outcomes.

Dr. Amanda Bruce is an associate professor at the University of Kansas Medical Center and a pediatric obesity researcher. She uses functional neuroimaging (fMRI) to conduct research on how the brain is involved in childhood obesity. She is also interested in the ability to delay gratification and how this contributes to obesity.

Dr. Dave Burnett is an assistant professor at the University of Kansas Medical Center. He is the Chair of the department for Respiratory Care Education and co-director of the KU Asthma Center. Dr. Burnett's primary research interests involve investigating treatment strategies for exercise induced bronchoconstriction (EIB) and asthma. Current research activity is steeped in collaboration among asthma stakeholders in order to achieve a better understanding on approaches for improving the burden of EIB and asthma.

Dr. Jordan Carlson is Director of Community-Engaged Health Research at Children's Mercy Kansas City and assistant professor of pediatrics at the University of Missouri-Kansas City School of Medicine. His research interests include active living, school-based physical activity, neighborhood walkability, improving uptake and implementation of physical activity interventions, and physical activity measurement technology.

Dr. Delwyn Catley is a clinical health psychologist and professor of pediatrics at Children's Mercy Kansas City and at the Center for Children's Healthy Lifestyles & Nutrition. His research focuses on health behavior change and motivation in the areas of smoking, medication adherence, diet and exercise, patient-provider communication, health disparities and Motivational Interviewing.

Dr. Julie Christianson is an assistant professor in Anatomy and Cell Biology at the University of Kansas Medical Center. Her research program is designed to understand the mechanisms underlying centralized pain syndromes related to early life stress, and clinically-applicable therapies designed to reverse or prevent these permanent changes in pain processing.

Dr. Mark Clements is the Medical Director of the Pediatric Clinical Research Unit and Director, Pediatric Endocrine/Diabetes Clinical Research at Children's Mercy Kansas City. His research interests include these factors related to type 1 diabetes mellitus: predicting risk for chronic complications, novel behavioral and technology-based interventions, impact of glycemic variability on chronic complications and autoimmune mechanisms.

Dr. Vicki Collie-Akers is the Associate Director of Health Promotion Research at the Center for Community Health and Development at KU-Lawrence. Her research is primarily focused on applying a community-based participatory research orientation to working with communities to understand how collaborative partnerships and coalitions can improve social determinants of health and equity and reduce disparities in health outcomes.

Dr. Mark Connelly is an associate professor of pediatrics at the University of Missouri-Kansas City School of Medicine and a clinical psychologist at Children's Mercy Kansas City, where he is the Director of Pain Research for Comprehensive Pain Management and Co-Director of the Comprehensive Headache Clinic. Dr. Connelly's research interests center on the assessment and management of pain in children, with a specific focus on the integration of eHealth and mHealth technologies into chronic pain assessment and treatment.

Dr. Christopher Cushing is a faculty member in the clinical child psychology program at the University of Kansas. He is interested in sleep, diet, and physical activity. Specifically, he uses smartphones and body sensors as well as laboratory tasks to study the impact of these behaviors on children's mood, cognition, and social functioning.

Dr. Ann Davis is a professor and pediatric psychologist who is passionate about the intersection between behavioral principles and eating/nutrition. The core of her work focuses on pediatric obesity in urban and rural children, and is treatment outcome focused. She is also interested in behavioral principles as they apply to young children who do not eat enough to sustain a healthy weight.

Dr. Heather Doss is a combined Internal Medicine/Pediatrics Physician who practices at Children's Mercy Kansas City and Truman Medical Center. An assistant professor at the University Of Missouri-Kansas City School of Medicine, she works in the areas of childhood obesity treatment and prevention and practices primary care of adults and children. Her interests are in preventative medicine, chronic disease management, medical education, and caring for the underserved population.

Dr. Meredith Dreyer Gillette is a pediatric psychologist at Children's Mercy Kansas City and associate professor of pediatrics at the University of Missouri-Kansas City School of Medicine. She works primarily in the treatment and prevention of childhood obesity, with a special emphasis on the challenges that are encountered among parents of young children with special needs such as Autism Spectrum Disorders or Down Syndrome.

Dr. Sarah Edwards is a pediatric gastroenterologist at Children's Mercy Kansas City and assistant professor of pediatrics at The University of Missouri – Kansas City. Dr. Edwards specializes in treating children with feeding disorders and is the medical director of the Interdisciplinary Pediatric Feeding and Swallowing Program at Children's Mercy.

Dr. Kevin Finn is Department Chair and Professor in the Department of Nutrition and Kinesiology at the University of Central Missouri. He is a Fellow of the American College of Sports Medicine, and a member of the North American Society for Pediatric Exercise Medicine. His research interest have been in assessment of physical activity in preschool-aged children and physical activity promotion using center based intervention. More recent his work has been in fitness assessment of school-aged children.

Dr. Daniel Forsha focuses on clinical non-invasive imaging (Echocardiogram and cardiac MRI/CT) and imaging research as a faculty member of the Heart Center at Children's Mercy Kansas City. One area of research is the evaluation of dyssynchronous and disorganized ventricular contraction patterns using strain echocardiography to determine whether certain children may benefit from cardiac resynchronization therapy. Another research interest is using strain echo and other tools to assess the reversibility of early obesity-related cardiovascular disease in populations of teenagers with intellectual delays. He is excited to work as part of the CCHLN to improve our understanding of the cardiovascular health consequences of obesity and how improving lifestyle may reverse this disease process.

Dr. Elin Grundberg is a research faculty member at the Center for Pediatric Genomic Medicine at Children's Mercy Kansas City and an Associate Professor of Pediatrics at the University of Missouri-Kansas City School of Medicine. She holds the Roberta D. Harding & William F. Bradley, Jr. Endowed Chair in Genomic Research. Dr. Grundberg's main area of investigation concerns obesity and

metabolic complications and her team is applying next-generation sequencing approaches to understand genetic and environmental (epigenetic) factors underlying disease susceptibility.

Dr. Sarah Hampl is a member of the Section of General Pediatrics at Children's Mercy Kansas City. She is a professor of pediatrics at the University of Missouri-Kansas City School of Medicine. Dr. Hampl works in the areas of childhood obesity treatment, prevention, healthcare professional education and community and statewide advocacy.

Dr. Trent Herda is an assistant professor in the Dept. of Health, Sport and Exercise Sciences and the Director of the Neuromechanics Laboratory and Hawk Fitness Academy at KU-Lawrence. His primary research interests include examining the effects of acute and chronic exercise and obesity on muscle composition and motor unit behavior.

Dr. Christina Hester is the Research Director of the National Research Network at the American Academy of Family Physicians. Her research interests include infectious disease, beneficial intestinal flora and behavioral factors that influence health.

Dr. Cara Hoffart is a pediatric rheumatologist at Children's Mercy Kansas City and associate professor of pediatrics at the University of Missouri-Kansas City School of Medicine. Dr. Hoffart specializes in pediatric pain amplification syndromes.

Dr. Holly Hull, associate professor in the Dept. of Dietetics and Nutrition at KU Medical Center, is an expert in body composition assessment and analysis. Her research agenda explores how the maternal environment impacts fetal development and programs offspring disease risk. Further, she studies intervention methods to prevent excessive gestational weight gain and how pregnancy influences maternal disease risk.

Dr. Kelly Kreisler is a general pediatrician with extensive experience in the safety net system of medical care. She is an assistant professor at the University of Kansas Medical Center, where her clinical and research focus is medically underserved children and families, particularly immigrants and refugees.

Dr. Katelyn McAnany is a member of the Section of General Pediatrics at Children's Mercy Kansas City. She works in the areas of childhood obesity treatment and prevention. She also practices primary care pediatrics with a focus on the immigrant and Latino populations.

Dr. Russell McCulloh is a physician trained in pediatric and adult infectious diseases at Children's Mercy Kansas City, the University of Kansas Medical Center and the University of Missouri – Kansas City. His research focuses on sepsis and severe infections in children and in developing and incorporating evidence-based practices into decision-support tools to improve clinical decision-making, enhance healthcare resource use, and to optimize health outcomes. Dr. McCulloh is also the director of the NIH-funded Sunflower Pediatric Clinical Trials Research Extension (SPeCRE), whose mission is to extend clinical trials opportunities to children and families across Kansas.

Dr. Lisa Mische Lawson is an associate professor of Occupational Therapy Education at the University of Kansas Medical Center and the director of KU Sensory Enhanced Aquatics, a swimming and water safety program for children with autism spectrum disorder. She is a Certified Therapeutic Recreation Specialist and her research focuses on promoting health of vulnerable populations through leisure and physical activity. Dr. Mische Lawson is a President's Council on Fitness, Sports & Nutrition *I Can Do It, You can Do It* Advocate, bringing national resources for promoting healthy eating and physical activity to Kansans with disabilities.

Dr. E. Matthew Morris of KU Medical Center investigates the role of liver energy metabolism in the development of obesity, type 2 diabetes and cardiovascular disease. His work centers around how the function or dysfunction of the primary energy producing cellular bodies, mitochondria, can impact liver

function and ultimately systemic health. The current focus is how liver mitochondrial function can, through neural pathways to the brain, influence high fat diet-induced weight gain via changes in food intake and storage of dietary fat. Ultimately, the goal of his research is to describe mechanism and therapeutic options to reduce or prevent metabolic disease in adult and adolescent populations.

Dr. Eve-Lynn Nelson's research interest is using outreach strategies, including technologies, to deliver best practices in children's healthy lifestyles to rural and underserved communities. A professor of Behavioral Pediatrics at KU Medical Center, she is currently focusing on Project Extension of Community Outcomes (ECHO), a technology-supported education approach to build the capacity of rural primary care to assess/treat common conditions using evidence-based strategies. She is also interested in home-based telehealth interventions.

Dr. Susana Patton is a pediatric psychologist at the University of Kansas Medical Center. Her research focuses on the promotion of health and the prevention of disease-related complications through diet, a healthy lifestyle, and improved adherence to medical treatment for children living with chronic illness. The core of her work centers on children with type 1 diabetes mellitus and she is conducting both treatment outcome and descriptive studies. Dr. Patton is also interested in child eating behaviors as they relate to child nutrition and overweight and she has an interest in research related to the treatment of common childhood digestive problems, including constipation.

Dr. Lauren Ptomey is a research assistant professor in the department of Internal Medicine at the University of Kansas Medical Center. Her long-term research goals are to determine the best strategies to promote physical activity, healthy eating and weight management in typically developing and special needs children and adolescents.

Dr. Kimberly Randell is an attending physician in pediatric emergency medicine at Children's Mercy Kansas City and associate professor of pediatrics at the University of Missouri-Kansas City School of Medicine. Her areas of interest are adverse childhood experiences, intimate partner violence, adolescent relationship abuse, and resilience.

Dr. Brenda Salley is a clinical psychologist and assistant professor of pediatrics at the University of Kansas Medical Center and the University of Missouri-Kansas City School of Medicine. Dr. Salley is the Director of the Baby Lab at the University of Kansas Medical Center, which focuses on understanding developmental pathways towards adaptive and healthy outcomes in children. She is particularly interested in the early cognitive and communication development of young children and how the social world can impact learning in these areas.

Dr. Robin Shook is a research assistant professor in the Department of Pediatrics at Children's Mercy and Director of Weighing In. His research interests include both public health and clinical approaches to understanding obesity. His clinical studies focus on energy balance, which is the interaction between an individual's diet, their physical activity level and their body weight. From these studies, his team tries to develop strategies to prevent or reduce obesity on a population level using public health approaches.

Dr. Jane Sosland is a clinical associate professor at the University of Kansas Medical Center and a member of the multidisciplinary team for the Healthy Hawks clinic, which serves children and adolescents with obesity. Her clinical interests include evaluation and treatment of anxiety disorders, ADHD, depression children and adolescents.

Dr. Vincent Staggs is a research faculty member in the Dept. of Biostatistics & Epidemiology, Health Services and Outcomes Research at Children's Mercy Kansas City. Areas of interest/expertise: Statistical/machine learning, linear and generalized mixed models, bootstrapping, predictive modeling, R, SAS, mental/behavioral health, genomics, health services, bioethics.

Dr. Debra Sullivan is department chair of Dietetics and Nutrition at the University of Kansas Medical Center and the Midwest Dairy Council Professor in Clinical Nutrition. Her research focuses on prevention and treatment of obesity and its co-morbid conditions. She also maintains a nutrition assessment laboratory in order to conduct measurement of dietary intake and body composition.

Shelly Summar, MEd, RD, LD, is the manager of the *Weighing In* program at Children's Mercy Kansas City, building community collaboration to prevent childhood obesity. Her work includes leading the Healthy Lifestyles Initiative (HLI) which engages partners in healthcare, government, and community working to create environments that support health.

Dr. Brooke Sweeney is a combined internal medicine/pediatric physician and the medical director of weight management services at Children's Mercy Kansas City. Her clinical expertise is in prevention and treatment of chronic disease, weight management, and clinical care for children with obesity. Her research interests include improving the effectiveness of weight management clinics, transitional care, and using a national registry to improve pediatric weight management.

Dr. John Thyfault is an associate professor in the Department of Molecular and Integrative Physiology at the University of Kansas Medical Center where he examines the effect of chronic physical inactivity, sedentary behavior, and low aerobic fitness on the development of chronic disease conditions including obesity, insulin resistance, fatty liver disease, type 2 diabetes, and cardiovascular disease. In contrast, daily physical activity and maintenance of aerobic fitness throughout the lifespan are associated with protection against chronic disease(s). The mechanism(s) underlying the development of these diseases and the role that activity and fitness status play in altering susceptibility remain largely unknown and are the focus of our research. We utilize integrative (multi-tissue and whole body), translational (cells, rodents, humans) approaches to perform studies in these areas with a focus on clinical or human relevance.

Dr. Dustin Wallace is a pediatric psychologist at Children's Mercy Kansas City and assistant professor of pediatrics at the University of Missouri-Kansas City. Dr. Wallace specializes in pain management, pediatric pain rehabilitation and acceptance based treatment.

Dr. David White is an exercise physiologist at Children's Mercy Kansas City. His focus is clinical exercise testing and prescription in children with congenital and/or electrophysiological heart defects, neurocardiogenic syncope, dyslipidemia, and abnormal cardiopulmonary responses to exercise. Advanced methodology includes oxygen consumption, EKG, oxygen saturation, exercise blood pressure, pulmonary function testing, and tilt table testing. Additional responsibilities include exercise and behavioral counseling for youth and families of children with dyslipidemia and/or obesity in the Ward Heart Center Preventive Cardiology Clinic.

Center Members (Associate)

Lubna Alnaim is a PhD student in the Dietetics & Nutrition Department at KU Medical Center.

Matt Chrisman, PhD, is an assistant teaching professor at the UMKC School of Nursing & Health Studies. His research interests focus on the environmental determinants of physical activity in rural adults.

Joan Delahunt, OTD, MS, OTR/L, is an assistant professor in Occupational Therapy Education at Rockhurst University. Research interests include relationships between adolescent BMI, physical activity and sensory-processing patterns.

Emily Meissen-Sebelius, MSW, is project coordinator for Weighing In at Children's Mercy Kansas City. Her interests lie in non-profit leadership and community engagement.

Joel Waddell, DO, is completing a dual fellowship in Pediatric Infectious Diseases and Pediatric Clinical Pharmacology at Children's Mercy Kansas City. His research is focused on the effects of obesity on antibiotic pharmacokinetics and health outcomes in children with invasive infections.

Graduate and Undergraduate Research Staff

Carolina Bejarano is a doctoral student in the Clinical Child Psychology Program at the University of Kansas. Her research interests generally focus on understanding and promoting health behavior, such as diet, sleep, and physical activity, in youth. She is interested in examining relationships among health-related behaviors and psychosocial constructs (e.g., motivation, affect, hedonic appetite), and how this information may be applied to improve children and adolescents' physical and mental health.

Frances Bozsik is a doctoral student in the Clinical Health Psychology Program at the University of Missouri-Kansas City. Her research interests include sociocultural factors affecting body image and the prevention and treatment of maladaptive eating behavior. Her current work is on establishing the efficacy of a local high school eating disorder prevention program. She is also working on projects related to promoting healthy eating and exercise behavior in children and adolescents.

Hannah Krohne is currently a graduate student in the Department of Dietetics and Nutrition at the University of Kansas Medical Center. She is mainly interested in pediatrics and proper nutrition for growth, development, and enhancing quality of life. Hannah is always discovering new aspects of nutrition and being inspired to help others through nutrition education/ interventions. She will be working with Dr. Amanda Bruce on her KARMA study.

Arwen Marker is a graduate student in the Clinical Child Psychology doctoral program at the University of Kansas. Arwen is primarily interested in how chronic pediatric health conditions, such as obesity and type 1 diabetes, are related to the development of depression and anxiety. Arwen is currently working on projects examining weight-related health interventions for families of young children and treatments for parents of youth with type 1 diabetes.

Bryce Miller, a student-athlete in the Health Sciences program at the University of Missouri - Kansas City, is interested in community health integration efforts aimed at obesity prevention and the promotion of healthy lifestyle modifications in children. Specifics include engaging community collaboration focused on developing healthy habits in diet and exercise for a healthy future. Current focus is the Weighing In program as well as assisting Dr. Shook with energy balance research studies.

Jason Moburg is a registered nurse and a graduate student in the Family Nurse Practitioner track of the doctoral program at The University of Missouri-Kansas City. His research interests are primarily focused on the psychosocial effects of childhood overweight and obesity and the influence of provider weight bias in the care of overweight and obese children and adolescents. He is particularly interested in health promotion activities and how to arm children and adolescents with skills in healthy diet and exercise that will span throughout their lifetime.

Jackson Mores is a graduate student in the Master of Public Health program through the University of Kansas Medical Center. His broad interest is the endorsement of wellness through physical activity. Particularly, he is interested in the effects of injury prevention training, sports-related concussion management programs, and overuse injuries in pediatric athletes. Jackson is currently working on a project that focuses on energy balance and the interplay between diet, physical activity, and body weight.

Alexandra Monzon is a graduate student in the Clinical Child Psychology doctoral program at the University of Kansas. Her research interests generally focus on promoting healthy behavior and improving quality of life in pediatric populations through mobile health platforms. She is specifically

interested in examining how health behaviors, such as sleep, impact mental health and the ability to cope with a chronic health condition in children and adolescents.

Meggie Murray is a graduate student in the Department of Dietetics and Nutrition at the University of Kansas Medical Center. Her research interests include the effects of nutrition intervention and physical activity on weight status and obesity prevention among all age groups. She is currently working on a project examining weight management and eating habits of children with autism spectrum disorder.

Keaton Murry is an undergraduate student at the University of Central Missouri studying exercise science and nutrition. Keaton is interested in how the development of hypertrophic vs. hyperplastic adipose tissue in early adolescence affects weight management. Other interests include health education on interpreting nutrition labels, portion control and incorporating physical activity into everyday life. Keaton is currently working with Dr. Shook on energy balance research and assisting in PHIT Kids and Zoom to Health.

Amy Noser is a doctoral student in the Clinical Child Psychology program at the University of Kansas. Broadly, her research interests include pediatric health promotion and prevention. Specifically, she is interested in how individual differences in self-processes (e.g., motivation, self-efficacy, and self-concept) and behaviors (i.e., diet, physical activity, and sleep) impact the present and long-term health of youth. Amy is currently working on projects examining predictors of glycemic control and adherence in youth with type 1 diabetes mellitus.

Chelsea Steel is a graduate student in the Master of Public Health – Epidemiology program at the University of Kansas Medical Center. She is interested in dissemination and implementation science and chronic disease prevention. Specifically, her interest lies in implementation of evidence-based programs and their measurable effect on health. Chelsea will be working on research related to walking school bus programs and activity tracking.

Kara Young is a registered dietitian and a graduate student in the Dept. of Dietetics and Nutrition at the University of Kansas Medical Center. She is mainly interested in the promotion of a healthy lifestyle to combat childhood obesity. Kara is currently working with Dr. Shook on energy balance research studies.

Staff

Administrative Director, Dept. of Pediatrics
Jack Curran, MHA
jdcurran@cmh.edu

Director of Professional Services, Dept. of Pediatrics
Royce Tenney, MBA
rtenney@cmh.edu

Grants Administrator
Nealey Grosdidier
ngrosdidier@kumc.edu

Nurse Manager
Mindy Beckwith, RN, MSN, NE-BC
mbeckwith@cmh.edu

Senior Coordinator
Renée VanErp
rvanerp@cmh.edu

Administrative Assistant
Amy Donnelly
adonnelly@kumc.edu

Administrative Assistant III
Jennifer Oakley
jroakley@cmh.edu

Faculty Grant Support (pulled from CHLN member CV)
January 1, 2017 – December 31, 2017

Please note: This is an alphabetical listing of all grant funding for every CHLN member in 2017. As you'll notice, we often partner with each other on our projects, so one center member may be PI and another may be Co-I, etc. In order to recognize everyone's contributions, in the list below the grant is listed under every contributing member resulting in some grants being listed multiple times.

KUMC Members

Dr. Christi Befort

Ongoing Research Support

NIH/NHLBI PI: Perri, M 2013 - 2018

RCT comparing group versus individual phone counseling for weight management in the rural setting delivered via Cooperative Extension Service.

Role: Provide training and oversight for group phone counseling arm.

PCORI PI: Befort, C 2015 - 2019

Multi-site cluster randomized RCT examining three delivery models of care for treating obesity in rural primary care practices across the states of KS, IA, NE, and WI.

Susan G Komen Foundation PI: Daley, C 2015 - 2018

Training program for American Indian students to obtain a Master of Public Health degree focusing on an aspect of breast cancer disparities research.

Completed Research Support

NIH/NCI R01 PI: Befort, C 08/1–05/17

RCT comparing feasibility and effects of high dose omega-3 vs. placebo on blood and tissue biomarkers and weight regain among women at high risk for breast cancer and breast cancer survivors undergoing weight loss and weight loss maintenance intervention.

Role: Conduct and oversee the weight control intervention.

KU Alzheimer's Disease Center PI: Watts, A 2016-2017

Pilot trial examining a home and telephone-based sitting time intervention in older adults with mild cognitive impairment.

Submitted Research Support

NIH NIMHD U54 PI: Anton, S 2016-2017

Creation of community organization network to identify high risk obese, pre-diabetic ethnically diverse individuals within rural communities, and to test an alternative, novel, treatment approach for extending care to this high risk population. Serving as consultant on group phone-based intervention delivery in rural populations.

NCI P01 PI: Demark-Wahnefried, W (Pending)
Program Project to develop dissemination models for behavioral interventions for cancer survivors.
Serving as consultant regarding strategies for reaching rural cancer survivors.

NIH K12HD092435 PI: Carlson, S (Pending)
Career development training program in women's health.
Role: Research Director. Oversee selection of scholars and mentors, provide core training experiences, ensure active and productive mentoring experiences; provide mentorship in grant writing, behavioral clinical trial design, implementation research, and topics focused on lifestyle interventions, cancer prevention and survivorship, rural health, and behavioral health.

Dr. Amanda Bruce

Ongoing Research Support

Marion Merrell Dow Award Co-PI: Shook & Bruce 2017-2018
The Brain, Appetite, Teens, and Exercise (BATE) study.

NIH COBRE PI: Kirkpatrick, K 2017-2022
Cognitive and Neurobiological Approaches to Plasticity (C-NAP) Center
Role: Pilot project recipient; translational neuroimaging research.

Center for Children's Healthy Lifestyles & Nutrition Co-PI: Shook & Bruce 8/1/17-7/31/18
Brain Activity, Physical Activity, Adiposity, and Reward
Role: Co-PI with R Shook

Completed Research Support

National MS Society PI: Bruce JM 10/15-3/17
Development of a treatment decision model in Multiple Sclerosis
This application applies the economic model approach of probability discounting to explaining risk versus benefit treatment decision making.
Role: Co-Investigator

Katharine Berry Richardson Foundation PI: Burgert 1/16-12/17
Metabolic and neuroendocrine effect of treating PCOS in adolescents.
The goal of this study is to examine how pharmacologic treatment for polycystic ovarian syndrome affects brain structure and function.
Role: Co-Investigator

Submitted Research Support

NIH R01 PI: Bruce, AS Resubmission 7/17
Neurophysiological mechanisms of pediatric food decisions
The goal of the study is to elucidate internal and external influences on obese and lean children's food decisions.

USDA AFRI Co-PI: Lim & Bruce Submitted 6/17
Shaping Developing Brains to Improve Dietary Self-Control and Prevent Childhood Obesity

NIH R01 PI: Davis, AM
The safety and efficacy of megestrol as part of iKanEat
The goal of the project is to examine whether megestrol is a necessary component of a tube to oral feeding protocol in pediatric patients.
Role: Co-Investigator.

NIH R01 PI: Bruce, J
Computational and neural foundations of treatment adherence decisions in Multiple Sclerosis.
The goal is to use probability discounting and fMRI to better elucidate health related treatment decisions.
Role: Co-Investigator

Dr. Julie Christianson

Ongoing Research Support

NIH RO1 PI: Christianson 2014 - 2019
Effect of neonatal and adult stress on pelvic pain disorders and comorbidity

NIH R01 PI: Christianson 2014 – 2019
Comorbid mood and urogenital disorders in mice following neonatal maternal separation

NIH R01 PI: Wright 2015 – 2020
Painful versus insensate diabetic neuropathy
Role: Co-investigator

Ironwood Pharmaceuticals PI: Christianson 2017 – 2018
Preclinical efficacy of intra-rectally dosed IW-3300 in adult NVI mice

Submitted Research Support

NIH R01 PI: Nothnick (Not funded)
The role of the miR144/451 cluster in endometriosis pathogenesis

Dr. Ann Davis

Ongoing Research Support

R01 NR016255 PI: Davis 01/11/17-11/30/21
Rural Disparities in Pediatric Obesity: the iAmHealthy Intervention
The purpose of this 5 year NIH award is to assess the effectiveness of an e-health family based intervention for tailored for rural families for the treatment of pediatric obesity.
CHLN Co-Investigators: Eve-Lynn Nelson, Meredith Dreyer Gillette, Deb Sullivan

HRSA PI: Nelson 9/1/16-8/31/20
Telehealth Rural Outreach to Children in Kansas Schools (Telehealth ROCKS2)
This award will enhance mental health and pediatric obesity related services in rural and underserved areas of south east Kansas using telehealth and the ECHO program.
Role: Co-Investigator

NIH 1 UG1 HD090849 PI: McCulloh 9/26/16-9/25/20
SPeCTRE: The Sunflower Pediatric Clinical Trials Research Extension
The purpose of this award is to fund the SPeCTRE program for extending and implementing pediatric clinical trials in rural and underserved areas of the state of Kansas.
Role: Co-Investigator

R03 HD088776 PI: Carlson 4/24/17-3/31/19
Identifying Promising Implementation Strategies for Walking School Bus Programs
The purpose of this award is to qualitatively and quantitatively assess the best practices related to successful implementation of active walking school bus programs for elementary school children around the world.
Role: Co-Investigator

R21 HD088913 MPI: Davis, Nelson, Wambach 9/6/17-8/31/19
MomHealth: Mobile Multiple Health Behavior change in Teen Pregnancy & Parenting

This study will pilot test an innovative education and support program to promote the health of pregnant and parenting adolescent mothers in three behavioral health areas simultaneously: breastfeeding, healthy eating and active living, and depression prevention.

Katharine B. Richardson Award; Children's Mercy PI: Carlson 10/01/2017-9/30/2019

Improving Implementation of Classroom Physical Activity Programs

The goal of this study is to investigate how existing classroom physical activity programs can reach a larger number of students and have greater impacts on health. We will assess materials (e.g., teacher training manuals) provided by existing programs, and collect information from end-users (e.g., classroom teachers) on the barriers and facilitators faced when implementing such programs.

UL1 TR002366 (KL2/TL1) PI: Barohn 9/07/2017 - 06/30/2022

Frontiers: University of Kansas Clinical and Translational Science Institute

The purpose of this award is to create a new academic home with training programs for clinical and translational investigators, provide an enhanced coordinated translational research infrastructure and actively engage the community in developing, testing and disseminating translational research.

Role: Key Personnel; Working Group Member

Marion Merrell Dow Clinical Scholar, Children's Mercy PI: Shook 09/2017 – 08/2019

The Brain, Appetite, Teens, and Exercise

The purpose of this project is to quantify appetite and neural mechanisms of food reward in overweight/obese sedentary youth and to quantify changes following the implementation of a physical activity intervention.

Role: Co-Investigator

NIH U24OD024957 PI: Davis 07/01/17 – 09/25/20

ISPCTN Protocol Writing Group for the iAmHealthy trial in the ISPCTN

The purpose of this contract is to provide support for writing the iAmHealthy protocol which will be disseminated through the ISPCTN network.

Completed Research Support

Healthcare Foundation of Greater Kansas City PI: Davis 1/1/16 – 3/31/17

A Continuing Partnership Between an Obesity Program and a Primary Care Organization: Healthy Hawks at Turner House Children's Clinic

The purpose of this grant is to conduct the Healthy Hawks pediatric obesity program in partnership with a local federally qualified health center to assess impact on referral patterns, drop out, and adherence.

PCORI PI: Waitman 9/7/15-9/7/18

The Greater Plains Collaborative: a PCORnet Clinical Research Data Network

The purpose of this award is to conduct demonstration projects related to the recently developed PCORnet Clinical Research Data Network, the Greater Plains Collaborative.

Role: Obesity Site Lead for KUMC and CMH

Submitted Research Support

NIH R01 Davis, A

The safety and efficacy of megestrol as part of iKanEat

Received 7th percentile score. Council meeting in May 2018.

NIH R01 Daley, C (submitted 12/2017)

Addressing Obesity in American Indian Communities Using a Multi-Level Approach

Role: Co-Investigator

Dr. Trent Herda

Ongoing Research Support

National Strength and Conditioning Association Foundation. PI: Miller (5/2015 – 8/2018)
Effects of childhood obesity on plasma metabolome and muscle quality and performance.
Role: Research Mentor

Completed Research Support

University of Kansas Competition General Research Fund. PI: Herda (2016 – 2017)
Neuromuscular function of a small hand muscle in children 8 to 10 years of age: an obesity study.

Dr. Holly Hull

Ongoing Research Support

NIH PA-14-323 Co-PI: Andres A. Borsheim E. 08/2016 – 08/2021
Phenotypic and metabolic characteristics in early childhood leading to obesity
Role: Co-I

NICHD Student Loan Repayment Program Renewal PI: Hull, H.R. 09/2017 – 09/2019
Promoting healthy gestational weight gain. Renewal
Role: PI

Completed Research Support

University of Kansas School of Health Professions PI: Hull 6/2016 - 5/2017
Exploration of the cardioprotective role of DHA during pregnancy

KUMC Research Institute PI: Hull 6/2016 - 5/2017
Feasibility of a single goal intervention to prevent excessive gestational weight gain

The Roberts Family Foundation PI: Hull 6/2016 - 5/2017
Can consumption of dietary fiber prevent excessive gestational weight gain?

Dr. Kelly Kreisler

KU Dept. of Pediatrics PI: Kreisler 2017 – 2018
Improving Dental Care Utilization by Refugee Patients in Wyandotte County, Kansas

Dr. Rusty McCulloh

Ongoing Research Support

NICHD PI: McCulloh 9/21/16-8/31/20
SPeCTRE: The Sunflower Pediatric Clinical Trials Research Extension

Courtney Turner Foundation PI: McCulloh 7/1/2017-6/30/2018
“EDSPACE: Electronic Decision Support for Pediatric Acute Care Excellence”

Patton Trust, KCALSI PI: McCulloh 10/1/2015-1/31/2018

Use of multiplex proteomic assays for diagnosis of pediatric genetic diseases.

Completed Research Support

Eva and Kenneth Smith Foundation PI: McCulloh 7/1/2014-11/30/2017
This is a Clinical Scholar Award for research in medical decision-making, health outcomes, and informatics. It generally supports all aspects of my research platform.

Katherine Berry Richardson Foundation PI: McCulloh 4/1/2014-10/31/2017

“A national assessment of the microbiology, epidemiology, and resource utilization in infants hospitalized for suspected serious bacterial infection (SBI)”

Gerber Foundation Novice Research Award PI: McCulloh 7/1/2014-9/30/2017
“Improving febrile infant diagnosis and treatment (IFIT): A national benchmarking study.”

Dr. Lisa Mische Lawson

Ongoing Research Support

Autism Speaks PD: Mische Lawson 6/1/2017-7/1/2018

Swimming and Water Safety Scholarship

Sensory Enhanced Aquatics

Major Goal: To support financially disadvantaged children with autism spectrum disorder to participate in KU Sensory Enhanced Aquatics

Completed Research Support

University of Kansas Medical Center PI: Mische Lawson 10/1/16-4/1/17

Swimming and Water Safety Equipment for KU Sensory Enhanced Aquatics

Major Goals: To update swimmer and instructor equipment to promote swim skill acquisition of children with autism spectrum disorders.

Autism Speaks PD: Mische Lawson 7/1/15-1/2/17

Swimming and Water Safety Scholarship

Sensory Enhanced Aquatics

Major Goal: To provide support financially disadvantaged children with autism spectrum disorder to participate in KU Sensory Enhanced Aquatics

Dr. Matthew Morris

Ongoing Research Support

NIH/NIDDK PI: Morris 2017 – 2022

Hepatic mitochondrial function control of high-fat diet-induced weight gain

Goal: To examine the role of reduced liver mitochondrial function in mediating neural control of food intake, systemic macronutrient metabolism, and weight gain.

Veterans Administration Role: Fellow/Collaborator 2014 – 2018

Mitochondrial mitophagy in the development and treatment of NAFLD.

Goals: To examine the role of mitophagy to influence hepatic mitochondrial content and function, and to impact susceptibility and treatment for fatty liver disease.

Submitted Research Support

K-INBRE – Developmental Research Project Program PI: Morris

Title: Reduced liver metabolism modulates neural development impacting obesity risk

Goal: To examine the role of hepatic energy metabolism during perinatal development on adult diet-induced weight gain and obesity via modulation of neural anatomy and connectivity in CNS regions involved in systemic energy homeostasis.

In Pre-Award

Completed Research Support

Kansas IDeA Network of Biomedical Research Excellence PI: Morris 2016 – 2017

Hepatic control of diet-induced weight gain

Center for Children’s Healthy Lifestyles & Nutrition PI: Morris 2016 – 2017

Reduced hepatic mitochondrial function increases susceptibility for obesity in adolescence and adulthood.

KUMC Research Institute
Hepatic regulation of high-fat induced weight gain
Co-PI: Morris 2016 – 2017
The goal of this project is to determine if compromised hepatic mitochondrial function negatively impacts high fat diet induced responses for substrate handling, regulation of food intake, and hepatic steatosis.

Dr. Eve-Lynn Nelson

Ongoing Research Support

NIH PI: Patton 2015 – 2018
Reducing hypoglycemia fear in parents of young kids with video-based telemedicine
Role: Investigator

KU-Pediatrics/CMN PI: Nelson 2014 - 2018
A Study of Adherence and Outreach Strategies Related to Children Experiencing Concussion Status:
Funding complete, continuing to recruit.

Midwest Cancer Alliance PI: Doolittle, Nelson 2015 - 2018
Telehospice

CX2 PI: Nelson 2015 – 2018
Kansas' Project ECHO for Pain Management
(ECHO-PM)

HRSA, OAT PI: Nelson 2015 - 2018
Telehealth ROCKS

National Institute of Biomedical Imaging and Bioengineering PI: Smith 2016 - 2019
Mobile TEEN Connections for Support from Multidisciplinary Professionals & Peers
Role: Investigator

HRSA PI: Nelson, E 2016 - 2020
Telehealth ROCKS Schools

HRSA, MCHB PI: Ellerbeck 2016 - 2020
Kansas Leadership Education in Neurodevelopmental and Related Disabilities (LEND)
Role: Investigator (telemedicine core director)

R01 NR016255 PI: Davis 01/11/17-11/30/21
Rural Disparities in Pediatric Obesity: the iAmHealthy Intervention
The purpose of this 5 year NIH award is to assess the effectiveness of an e-health family based intervention for tailored for rural families for the treatment of pediatric obesity.
CHLN Co-Investigators: E Nelson, M Dreyer Gillette, D Sullivan (Duplicate listing: Davis)

HRSA PI: Nelson 2016 – 2020
Telehealth Resource Center

MacArthur Interprofessional Collaboration Award PI: Peltzer 2017 - 2018
iCOPE intervention for women with HIV/AIDs
Role: Investigator

R21 HD088913 MPI: Davis, Nelson, Wambach 9/6/17-8/31/19
MomHealth: Mobile Multiple Health Behavior change in Teen Pregnancy & Parenting

This study will pilot test an innovative education and support program to promote the health of pregnant and parenting adolescent mothers in three behavioral health areas simultaneously: breastfeeding, healthy eating and active living, and depression prevention. (Duplicate Listing: Davis)

Submitted Research Support

Kansas Foundation for the Medically Underserved PI: Nelson 2018 – 2019
Pain Management ECHO (under review)

NIH PI: Patton 2018-2021
Role: Investigator
RCT Evaluating a video-based telemedicine intervention to reducing hypoglycemia fear in parents of young kids with diabetes. (Scored, in revision)

Sunflower Health Plan (MCO) PI: Nelson 2017 – 2018
Economic Impact of a Child Behavioral Health ECHO
Status: Under review

NIH PI: Richter
Advancing Tobacco Care in Patient-Centered Medical Homes via ECHO Telementoring
Role: Investigator (Revision to be submitted 2018)

Completed Research Support

MacArthur Interprofessional Collaboration Award Co-PI: Wambach, Davis, Nelson 2016 – 2017
momHealth Pilot: Mobile Multiple Health Behavior Change in Teen Pregnancy & Parenting.

Dr. Susana Patton

Ongoing Research Support

NIH R01 PI: Patton 2014 - 2019
Longitudinal test of adherence & control in kids new to T1 diabetes

NIH DP3 PI: Patton 2015 – 2019
An interactive mHealth app for better glycemic control in families of young kids with T1D

Helmsley Charitable Trust PI: Clements 2017 – 2020
Improving type 1 diabetes care via predictive analytics and a learning health system
Role: Co-investigator (Duplicate listing: Clements/CM)

Submitted Research Support

NIH DP3 Co-PIs: Patton, Clements 2017 – 2021 (Priority score 45)
Transforming T1DM Care Via Device Data, Actionable Alerts, & On Time Care: The David Project

NIH R01: National Institute of Diabetes & Digestive & Kidney Disease PI: Patton 2018 -- 2023
Home-based video telemedicine to reduce parental fear of hypoglycemia in young kids with T1D

NIH R01: National Heart, Lung and Blood Institute Co-PIs: Cushing, Fedele 2018 – 2021

ReAct, an adaptive mobile health intervention for adolescent asthma

R21 NIH: National Cancer Institute PI: Gibbs 2018 – 2020
Nutricity: Expanding and piloting an intervention upon parental and child nutrition literacy

Completed Research Support

NIH R21 PI: Patton 2015 – 2017
Reducing hypoglycemia fear in parents of young kids with vide-based telemedicine

Dr. Lauren Ptomey

Ongoing Research Support

NIH:R01 DK114121 Remote Technology for Weight Management in Adults with IDD	MPI: Donnelly/Ptomey	9/5/2017 – 8/31/2022
Administration for Community Living Kansas City Collaborative to Enhance Access to Behavior and Physical Activity Supports for Individuals with Alzheimer's Disease and Related Dementias	MPI: Vidoni/Ptomey	10/1/16 – 9/30/19
University of Kansas Alzheimer's Disease Center Feasibility of Remote Technology to Increase Physical Activity in Individuals with Alzheimer's Disease and their Caregivers	PI: Ptomey	10/1/16 – 9/20/17
NIH: R01 DK108732 Weight Management in Rural Health Clinics. Role: Co-Investigator	PI: Donnelly	6/1/16 – 5/31/21
Healthy Weight Research Network for Children with ASD/DD Diet Quality, Parental Perceptions and Weight Gain Among Adolescents with an Intellectual and Developmental Disability Role: Co-Investigator	PI: Forbush	1/1/16 – 7/30/17
NIH: R01 HD079643 Weight Management for Adolescents with IDD Role: Co-Investigator	PI: Donnelly	3/6/15 – 2/28/20

Dr. Brenda Salley

Ongoing Research Support

NIH (NICHD) Visual attention, joint attention and emergent language in infancy Longitudinal examination of the co-development of visual attention and joint attention in infancy and associations with emerging language.	PI: Salley	9/25/15 – 7/31/18
Katharine B Richardson Award, Children's Mercy Getting ready to read: A book sharing intervention for infants and caregivers	PI: Salley	2016 - 2018
PCORI Engagement Award Incorporating genetic information into patient-centered outcomes research Role: Consultant	PI: Talebizadeh	2017 – 2018
NIH: NICHD Pediatric Loan Repayment Award	PI: Salley	2017 – 2019

Proposed Research Support

Institute of Education Sciences Early Intervention and Early Learning in Special Education, Goal 2 Developing a parent-training intervention to build pre-literacy and language in infants and toddlers at risk	PI: Salley	(Under review)
Jackson County Children's Services Fund Developing a manualized book sharing intervention for high-risk infants/toddlers to promote attention, preliteracy and school readiness	PI: Salley	(Under review)

R01: NIH, NICHD Developmental precursors to joint attention	PI: Salley	(in preparation)
R01: NIH, NIDCD Language nutrition in the NICU	PI: Salley	(in preparation)
IES, Goal 5 Developing measurement tools for pre-literacy and joint attention in infants and toddlers	Co-PIs: Salley, Bridges	(in preparation)

Dr. Debra Sullivan

Ongoing Research Support

NIH Weight management for adolescents with intellectual and developmental disabilities Role: Co-investigator	PI: Donnelly	4/01/14 – 3/31/19
American Cancer Society Weight loss for obesity-driven biomarkers of prostate cancer progression Role: Co-investigator	PI: Jill Hamilton-Reeves	7/01/2017 - 6/30/2021
R01 NR016255 Rural Disparities in Pediatric Obesity: the iAmHealthy Intervention The purpose of this 5 year NIH award is to assess the effectiveness of an e-health family based intervention for tailored for rural families for the treatment of pediatric obesity. CHLN Co-Investigators: E Nelson, M Dreyer Gillette, D Sullivan	PI: Davis	01/11/17-11/30/21 (Duplicate listing: Davis)
National Dairy Council/Dairy Management Inc. Dairy intake and cerebral antioxidant defense in aging: a dietary intervention study Role: Co-Investigator	PI: In-Young Choi	9/01/2016-12/31/2018
NIH R01 Kansas University DHA and autonomic nervous system Role: Co-Investigator	PI: Kathleen Gustafson	1/01/2016 -12/31/2020
NIH R01 Translating effective weight management in rural clinics Role: Co-Investigator	PI: Donnelly	10/01/15 – 9/30/19
KU School of Health Professions Intermittent Very Low Energy Intake compared to Continuous Low Energy Diet for Weight Change and Dietary Adherence	PI: Sullivan	7/01/2017- 6/30/2018

Completed Research Support

KU Alzheimer's Disease Center and Landon Center on Aging Feasibility trial of a Mediterranean diet pattern to prevent cognitive decline	PI: Sullivan	7/05/16 – 6/30/17
KUMC Frontiers and KU Alzheimer's Disease Center Feasibility of the ketogenic diet in individuals with Alzheimer's disease	PI: Sullivan	2/01/12 – 12/31/17
NIH R01 A virtual reality intervention (Second Life) to improve weight maintenance	Co-PI: Sullivan, Donnelly	9/25/12 – 8/31/17
NIH F32 The effects of heavy alcohol use on weight gain in college freshmen: Examining an overlooked calorie source	PI: Fazzino	7/01/2016 - 6/30/2017

Role: Mentor

Phi Beta Psi Foundation PI: Hamilton-Reeves 8/01/16 - 7/31/17
Impact of weight loss on chemokine signaling in obesity-induced prostate cancer progression
Role: Co-Investigator

Frontiers Collaborative Studies Program PI: Gibbs 6/2016 - 8/2017
Improving parental nutrition literacy: Mobile website development and feasibility
Role: Co-Investigator

University of Kansas School of Health Professions PI: Hull 6/2016 - 5/2017
Exploration of the cardioprotective role of DHA during pregnancy
Role: Co-Investigator (Duplicate listing: Hull)

KUMC Research Institute PI: Hull 6/2016 - 5/2017
Feasibility of a single goal intervention to prevent excessive gestational weight gain
Role: Co-Investigator (Duplicate listing: Hull)

The Roberts Family Foundation PI: Hull 6/2016 - 5/2017
Can consumption of dietary fiber prevent excessive gestational weight gain?
Role: Co-Investigator (Duplicate listing: Hull)

Proposed Research Support

NIH R01 PI: Hamilton-Reeves
Effects of Soy & Weight Control on Immune and Inflammatory Biomarkers in Prostate Cancer Survivors
Role: Co-investigator

NIH R01 Co-PIs: Sullivan and Swerdlow
Validation and mechanistic interrogation of metabolism targeting for Alzheimer's disease

NIH R01 PI: Hull 4/01/2017 - 6/30/2022
Novel Methods to Encourage Appropriate Gestational Weight Gain
Role: Co-investigator

NIH PI: Gibbs
Choosing healthy food, observing use and mediators of (CHOOSE) nutrition literacy
Role: Co-investigator

NIH R01 Co-PIs: Sullivan and Burns
Enhanced Mediterranean diet for Alzheimer's disease prevention.

NIH R21 PI of subcontract to Children's Mercy Hospital: Sullivan 7/01/2017 - 6/30/2019
Appetite control and adiposity across the continuum of activity.

NIH R01 PI: Fabian
Translational Studies of Exercise and Diet in Obese Sedentary Breast Cancer Survivors: Targeting
Visceral Adipose Tissue
Role: Co-investigator

Dr. John Thyfault

Ongoing Research Support

NIH [1R01AR071263-01](#) MPI: JP Thyfault/P. Darrel Neuffer 1/20/2017 – 7/22/2022
Title: Statins, Mitochondrial Function, and Aerobic Capacity

The goal of this grant is to examine if statins negatively impact skeletal muscle mitochondrial function and aerobic capacity and if statins negatively impact exercise adaptations.

NIH R21AG056062-01 PI: JP Thyfault 5/1/17 – 4/30/19

Title: Skeletal muscle mitochondrial Abnormalities in Alzheimer's Disease

The goal of this project is to determine if Alzheimer's disease and APOE genotype is associated with skeletal muscle mitochondrial dysfunction.

Veterans Affairs Merit Review PI: Thyfault 10/2/14 – 9/31/18

Title: Mitochondrial mitophagy in the development and treatment of NAFLD.

NIH R01 DK107390-01A1 PI: Leidy, Thyfault 10/1/2016 – 9/30/2021

Title: Increased Protein at Breakfast for Weight Management in Overweight Adolescents

The goal of this proposal is to examine whether the daily consumption of a high-protein breakfast will improve weight management and glycemic control more than a typical, normal protein breakfast in overweight adolescents who habitually skip breakfast.

NIH R01 AA020518 PI: Wen Xing Ding/JP Thyfault 7/1/2017 – 6/20/2022

Title: Mechanisms Regulating Autophagy in Alcohol-Induced Liver Injury

The goal of this project is to study the role of autophagy in alcohol-induced liver injury.

Completed Research Support

K-INBRE Postdoctoral Research Award, NIH P20GM103418

7/1/16 – 6/31/17

Title: Hepatic regulation of high-fat induced weight gain

Role: Mentor

Proposed Research Support

National Institutes of Health R01 DK088940 PI:Thyfault

10/1/2017 – 9/30/2022

Title: Aerobic fitness, mitochondrial dysfunction, and fatty liver disease.

Competitive Renewal, received 21st percentile on A0 submission, resubmitted Fall 2017

Center Members from Children's Mercy Kansas City, KU-Lawrence, UCM

Dr. Charles Barnes

Active Research Support

Healthy Homes to Eliminate ETS Exposure in American Indians PI: Daley 7/1/16-6/30/21

Description: This research proposes to study tobacco use behavior in the American Indian Community. The goal of this study is to develop a Healthy Home Intervention to eliminate exposure to ETS in the homes of American Indians. The multi-level intervention will consist of: 1) culturally-tailored smoking cessation for the individual smoker/s; 2) healthy homes assessment and feedback to the family/household; and 3) ETS and environmental health education to the community.

Role: PI at Children's Mercy Kansas City

Andrea Bradley-Ewing

Ongoing Research Support

Midwest Cancer Alliance

PI: Myers

11/1/17 – 12/31/19

University of Kansas Cancer Center

Adherence to AFIX Strategies and HPV Immunizations in Pediatric Practices

Major goal(s): Assess adherence to AFIX recommended immunization strategies and HPV vaccination rates among pediatric community practices in the Integrated Care Solutions network.

Role: Co-Investigator

Pipeline to Proposal Tier III

PI: Myers

8/1/17 – 07/31/18

Patient Centered Outcomes Research Institute

Engaging Communities in Infectious Diseases Research and Intervention Development

Major goal(s): To build the capacity of a Community Coalition Board (CCB) of parents, patients, health care providers, health department representatives, and school leaders to develop an LOI and application to a broad PCORI funding announcement to increase HPV vaccination rates in the Kansas City region.

Role: Co-Investigator

Patient Centered Outcomes Research Institute

PI: Carroll

12/1/2016 – 11/30/2018

Engagement to Advance PCORI in Family Medicine

Identify emerging and best practices in engagement for family medicine practices and bring representatives together to lead discussions and share models in an effort to accelerate adoption.

Major goal(s): Incorporate best practices in engagement and outcomes research in family medicine practices.

Role: Project Collaborator

Patient Centered Outcomes Research Institute

PI: Goggin, Newland

05-01/2016 – 04/30/2019

Resetting the Default: Improving provider-patient communication to reduce antibiotic misuse

The goal of this study is to compare the impact of two proven approaches for reducing inappropriate antibiotic use (one that directly targets parent and provider behavior vs. audit-and-feedback that targets provider behavior only) on the quality of parent-provider communication and parental satisfaction.

Role: Co-Investigator

Patient Centered Outcomes Research Institute

PI: Talebizadeh

12/1/2016 – 11/30/2018

Incorporating Genetics into Patient-Centered Outcomes Research: An Engagement Model for the Autism Research Community

Major goal(s): Develop partnerships with stakeholders to develop and implement an educational model for providing foundational knowledge of PCORI and stimulating interest in the autism genetic research community to engage patients in developing research projects.

Role: Co-Investigator

NIMHHD, R01MH099981

PI: Berkeley-Patton

7/1/14 – 6/30/19

Increasing HIV Screening in African American Churches

Major Goal(s) a) To test a religiously and culturally-appropriate HIV screening intervention delivered by church leaders using a supportive HIV Tool Kit in African American churches; b) evaluate the role of mediators and moderators related to HIV screening behaviors of church members and community members using church outreach services; and c) conduct a process evaluation to determine intervention exposure, facilitators, barriers, and costs in order to identify essential intervention components.

Role: Project Coordinator

Completed Research Support

Pipeline to Proposal Tier II

PI: Myers

5/1/16 – 04/30/17

Patient Centered Outcomes Research Institute

Engaging Communities in Infectious Diseases Research and Intervention Development

Major goal(s): To develop a Community Coalition Board (CCB) of parents, patients, health care providers, health department representatives, and school leaders to develop and implement interventions to increase HPV vaccinations among children and adolescents.

Role: Co-Investigator

Dr. Jordan Carlson

Ongoing Research Support

Children's Mercy

PI: Carlson

10/01/2017 – 9/30/2019

Title: Improving Implementation of Classroom Physical Activity Programs

Details: The goal of this study is to investigate how existing classroom physical activity programs can reach a larger number of students and have greater impacts on health. We will assess materials (e.g., teacher training manuals) provided by existing programs, and collect information from end-users (e.g., classroom teachers) on the barriers and facilitators faced when implementing such programs. Funded by the Katharine B. Richardson Award for pilot research at Children's Mercy.

Aetna Foundation PI: BikeWalk KC 8/01/2017 – 1/31/2019
Title: Building Collective Health: Community Interventions for Northeast Kansas City
Details: To evaluate quick build streetscape improvements projects and earn-a-bike programs and health and mode of transportation.
Role: Evaluator and subcontract PI

1 R03HD088776-01 PI: Carlson 4/01/2017 – 3/31/2019
Title: Implementation Strategies and Effectiveness for Walking School Bus Programs
Details: The goal of this study is to use an Implementation Science framework to assess implementation contextual factors and implementation outcomes in existing Walking School Bus programs. In response to PAR-16-237: Dissemination and Implementation Research in Health.
Amount: \$163,380

1 R211CA194492-01 PI: Carlson 2/01/2016 – 1/31/2018
Title: Ecological Video Analysis for Automated Assessment of Physical Activity (E-VIP)
Details: The goal of this study is to develop and validate novel video analysis algorithms for automated ecological assessment of physical activity in settings. In response to PAR-12-197: Improving Diet and Physical Activity Assessment.

1 R01DK106209-01 MPIs: Allison/Gallo 7/01/2015 – 6/30/2019
Title: Neighborhood Environments and Metabolic Health in Hispanics/Latinos
Details: This ancillary study to the Hispanic Community Health Study/ Study of Latinos aims to investigate built and social neighborhood environment impacts on cardiometabolic health in Latinos. In response to PAR-12-265: Ancillary Studies to Major Ongoing Clinical Research Studies to Advance Areas of Scientific Interest within the Mission of the NIDDK.
Role: Co-Investigator and subcontract PI

Institutional Equipment Grant from the Center for Children's Healthy Lifestyles and Nutrition (Children's Mercy Hospital and University of Kansas Medical Center) Awardee: Carlson 10/2017
Title: Providing accelerometer and global positioning systems (GPS) devices.

L40 HLI120007 Awardee: Carlson 7/01/2013 – 6/30/2018
Title: NIH Pediatric Research Student Loan Repayment Program (LRP): Advancing Evidence on Built Environments and Physical Activity in Youth, Improving Uptake of Evidence-Based Strategies to Increase Physical Activity in Youth

Completed Research Support

R21 CA194492-01 PI: Carlson 12/01/15 - 11/30/17
Title: Ecological Video Analysis for Automated Assessment of Physical Activity (E-VIP)
Details: The goal of this study is to develop and validate novel video analysis algorithms for automated ecological assessment of physical activity in settings. In response to PAR-12-197: Improving Diet and Physical Activity Assessment.

R01 DK106209-01 Co-PIs: Allison, Gallo 7/01/15 - 06/30/19
Title: Neighborhood Environments and Metabolic Health in Hispanics/Latinos
Details: This ancillary study to the Hispanic Community Health Study/ Study of Latinos aims to investigate built and social neighborhood environment impacts on cardiometabolic health in Latinos. In

response to PAR-12-265: Ancillary Studies to Major Ongoing Clinical Research Studies to Advance Areas of Scientific Interest within the Mission of the NIDDK.

Role: Co-Investigator

L40 renewal Awardee: Carlson 7/01/15 - 6/30/17

Title: NIH Pediatric Research Student Loan Repayment Program (LRP): Improving Uptake of Evidence-Based Strategies to Increase Physical Activity in Youth

Details: The goal of this project is to utilize implementation science methodology to investigate sustainable and scalable implementation strategies for supporting youth's physical activity.

Proposed Research Support

R01 DK114513-01 PI: Kerr 4/01/2018 – 3/31/2023

Title: Novel Computational Techniques to Detect the Relationship between Sitting Patterns and Metabolic Syndrome in Existing Cohort Studies

Details: The goal of this study is to develop and apply an algorithm to assess sedentary bout patterns from hip-worn accelerometers across the age span. In response to PAR-12-198: Improving Diet and Physical Activity Assessment.

Role: Co-Investigator and subcontract PI (Scored 7th percentile 10/2017)

1 R03 NICHD PI: Carlson 7/01/2018 – 6/30/2020

Project Title: The Role of Individual-Level and Environmental Factors in Energy Balance in Adolescents

Details: The goal of this study is to investigate the role of energy expenditure in physical activity, and multi-level factors in relation to energy balance.

Dr. Delwyn Catley

Ongoing Research Support

Health Care Foundation of GKC, Special Initiatives Grant CoPIs: Catley, Dai 6/15/17 – 6/14/20

Title: Impacts of Kansas City Area Tobacco 21 Initiative

This 3-year study will determine the impact of the Tobacco 21 Initiative on tobacco acquisition and use among middle and high-school students in Kansas.

Center for Children's Healthy Lifestyles & Nutrition Pilot Grant PI: Martin 7/01/17- 6/30/18

Title: Changing Adolescents' Brain Responses to E-Cigarette Marketing with Media Literacy Intervention

The purpose of the study is to examine whether a brief media literacy intervention results in short-term differential brain activation in reward and cognitive control regions when adolescents view e-cigarette advertisements.

NIH R01 (CA212189) PI: Cupertino 1/10/17-12/31/21

Title: e-Decidete Mobile Cessation Support for Latino Smokers

The major goals of this study are to evaluate the impact of the culturally accommodated eDecidete program versus standard care on smoking abstinence at Month 6 among Latino smokers; to assess therapeutic alliance, pharmacotherapy utilization, and self-efficacy as mediators of the presumed treatment effect on cotinine-verified 7-day smoking abstinence at Month 6 among Latino smokers; and to conduct a process evaluation that can inform findings and future improvements.

Role: Co-Investigator

American Cancer Society PI: Martin 7/1/2016-6/30/20

Smoking Cessation and Brain Activation: How Practice Changes the Brain

The objective of the proposed project is to increase understanding of how behavioral treatment relates to our understanding of neurobiological mechanisms of addiction. This study examines the impact of practicing skills typically taught to help smokers quit smoking on activation in reward processing and cognitive control brain regions among current cigarette smokers.

Role: Co-Investigator

NICHHD PI: Miller 1/01/16 – 12/31/20
Enhanced SexHealth intervention to improve adolescent outcomes: A clinical trial
The purpose of this trial is to apply newly obtained knowledge and skills to enhance and test an
Emergency Department SexHealth intervention using a randomized trial of intervention versus standard
information arm to determine the effect size of rates of health service uptake.
Role: Co-mentor

NIH/NHLBI PI: Catley 3/15/16-2/28/20
Title: Adapting the Diabetes Prevention Program for a Developing World Context
The purpose of this study is to adapt and test the Diabetes Prevention Program for reducing weight and
cardiometabolic risk among individuals with diabetes and cardiovascular disease in a low-income urban
community in South Africa. Proposed adaptations to the program include preparing it for delivery by
community health workers, enhancing facilitator communications skills training based on principles of
Motivational Interviewing, and using interactive text-messaging to support program delivery.

NIH/NCI PI: Richter 2/01/16-01/31/21
Title: Changing the default for tobacco treatment
The purpose of this study is to test the effectiveness and cost-effectiveness of proactively providing all
smokers with evidence-based treatment versus screening for readiness and offering differential
treatment based on readiness to quit.
Role: Co-Investigator

NIDDK PI: Clements, Moore 7/20/15-04/30/18
Title: Type 1 Diabetes TrialNet Clinical Centers
The major goal is to become a Clinical Center for Type 1 Diabetes TrialNet.
Role: Co-Investigator

Completed Grant Support

National Multiple Sclerosis Society PI: Bruce 10/1/15-9/30/17
Title: Development of a Treatment Decision Model in MS
The major goal of this study is to use probability-discounting principles to develop a measure of MS
patients' preferences related to medication usage based on perceived efficacy and side effects.
Role: Co-Investigator

Dr. Matt Chrisman

UMKC Co-I: Grimes, Chrisman 3/1/2017 – 3/1/2018
Cycling habits, patterns, and barriers among older adults in a Midwestern metropolitan area.
This project will assess correlates, patterns, and barriers related to cycling in older adults using an
online survey

Dr. Mark Clements

Ongoing Research Support

Helmsley Charitable Trust PI: Clements 2/1/2017 – 1/31/2020
Title: Improving T1D care with advanced machine learning
Major goals: Overall, the goal is to leverage advanced machine learning to develop predictive models
for clinical outcomes of interest among persons with T1D. Smart risk-stratified lists of patients will be
used to drive patient-level and system-level quality improvement interventions in clinical care, with a
goal of better matching of interventions to those patients who are most likely to benefit. Collaborators
include S Mehta at Joslin Diabetes Center (adult T1D site) and Leonard D'Avolio at Cyft, Inc.

Jaeb Center for Health Research PI: Clements 4/01/2017 – 3/31/2019
Title: Validating the mealtime insulin bolus score among adults with T1D

Major Goals: To leverage at least 3 T1D Exchange network sites to validate the mealtime insulin bolus score as an objective measure of adherence among adults with T1D.

NIH Multi-PI: Moore, Clements 7/01/2015 – 4/30/2019
Title: Type 1 Diabetes TrialNet Clinical Center (U01)

Major Goals: Creation of a regional clinical trial sub-network for the TrialNet consortium. Will leverage a comprehensive business model for clinical trial management, real-time informatics, and quality improvement methodologies to increase the effectiveness and efficiency of recruitment and retention in TrialNet studies.

NIH PI: Patton 8/01/2014 - 7/31/2019

Title: Longitudinal Test of Adherence & Control in Kids New to T1 Diabetes & 5-9 Years Old
Major Goals: Longitudinal study of 120 children, 5-9 years old and newly diagnosed with type 1 diabetes plus qualitative study recruiting 25 families of youth 5-9 years old and newly diagnosed with type 1 diabetes.
Role: Co-Investigator

NIH PI: Patton 12/01/2015 - 11/30/2019

Title: An interactive mHealth app for better glycemic control in families of young kids with T1D
Major goals: To build, refine, and pilot feasibility test a tailored diabetes education program for parents of young children. The tailored education program, called DIPPer Academy (Diabetes Information for Parents of Preschoolers) will use an online video-based and interactive micro-lecture format to deliver type 1 diabetes education and behavioral parent training to families of young children.
Role: Co-investigator

NIH PI: McCulloh 9/26/2016 – 9/25/2020

Title: SPeCTRE: The Sunflower Pediatric Clinical Trials Extension
Major goals: To improve the opportunity for children in rural and underserved areas of Kansas and neighboring states to participate in clinical trials. SPeCTRE will conduct outreach, education, and engagement activities that will extend clinical trials participation opportunities to children in rural and underserved areas of Kansas and eventually neighboring states, which will help to support the development of better care options for children.
Role: Co-investigator

Helmsley Charitable Trust PI: Ball 8/1/2016 – 7/31/2018

Title: T1D Exchange Quality Improvement Collaborative
Major goals: Overall, the goal is to develop a multi-center quality improvement collaborative to improve type 1 diabetes care. My role is twofold: 1) to lead Children's Mercy as one of 11 sites in the initial phase of development; and 2) to co-develop the EHR data extraction and data transmission model along with one other site in the collaborative (the Barbara Davis Center).
Role: Site PI

Completed Research Support

Helmsley Charitable Trust PI: Beck, Roy 01/01/2016-4/01/2017

Title: T1D Exchange Pediatric Vice Chair
Major Goals: To assist the T1D Exchange network and its investigators in the development of new health outcomes and interventional research protocols. To facilitate manuscript working groups and actively develop manuscripts for publication. To participate in the Operations Committee and Steering Committee for the network. 1 year term renewable up to 3 years.
Role: Vice Chair (Service Agreement)

Helmsley Charitable Trust PI: Ball 8/1/2016 – 7/31/2017

Title: T1D Exchange Quality Improvement Collaborative
Major goals: Overall, the goal is to develop a multi-center quality improvement collaborative to improve type 1 diabetes care. My role is twofold: 1) to lead Children's Mercy as one of 11 sites in the initial

phase of development; and 2) to co-develop the EHR data extraction and data transmission model along with one other site in the collaborative (the Barbara Davis Center).

Role: Site PI

NIH PI: Patton 4/01/2015–3/31/2017

Title: Reducing hypoglycemia fear in parents of young kids with video-based telemedicine

Major Goals: To evaluate a new group-based telemedicine intervention (RED CHiP: Reducing Emotional Distress for Childhood Hypoglycemia in Parents), which was designed to reduce parental FH and improve glycemic levels and variability in young children with T1DM.

Role: Co-Investigator

Dr. Mark Connelly

Ongoing Research Support

NIAMS, R01

Role: Site PI

6/2017

Multi-site Randomized Clinical Trial of FIT Teens for Juvenile Fibromyalgia

Completed Research Support

Marion Merrell Dow Clinical Scholar Award

PI: Connelly, M.

Identifying Migraine Triggers in Children Using SMARTER Methodology

Dr. Christopher Cushing

Ongoing Research Support

National Eating Disorders Association

PI: Forbush

2017 – 2019

Computerized Adaptive Test (CAT) Within A Mobile App for Clinician Feedback. National Eating Disorders Association. (Refereed/Competitive).

Role: Co-Investigator

McMorris Family Foundation

PI: McCleery

2017 – 2019

Evaluation of the Effects of an mHealth Messaging App for Increasing Physical Activity in Adolescents/Adults with Autism Spectrum Disorder. McMorris Family Foundation. McMorris Autism Early Intervention Initiative Fund Pilot Study. (Refereed/Competitive)

Role: Co-Investigator

Children's Mercy Kanas City

PI: Cushing

2/1/15 – 7/31/18

Pathophysiology and Treatment of Pediatric Functional Abdominal Pain. Children's Mercy Hospitals and Clinics (Invited Sole Source Contract).

University of Kansas

PI: Forbush

9/1/16 – 3/31/18

Assessing Dietary and Behavioral Predictors of Weight Gain and Obesity using Computerized Adaptive Testing: Development of the E-Health Collaborative Consortium. (Refereed/Competitive)

Role: Co-Investigator

Completed Research Support

NIH/NICHHD Division of Loan Repayment

PI: Cushing

2015-2017

Institute for Translational Medicine and Therapeutics, Perelman School of Medicine, University of Pennsylvania.

PI: Schwartz, L.

2016 – 2017

Patterns of and Feasibility of Tracking Activity of Adolescent and Young Adult (AYA) Survivors of Childhood Cancer.

Proposed Research Support

Co-PI: Cushing, Fedele

(in review)

ReACT an Adaptive Mobile Health Intervention for Adolescent Asthma. A0 Submitted June 2017 A1 Submitted December 2017

Current Status: A0 scored 40th percentile.

PI: Cushing (funded)
Just-in-Time Adaptive Intervention for Adolescent Physical Activity. Submitted Spring 2017.

Dr. Meredith Dreyer-Gillette

Ongoing Research Support

Healthcare Foundation of Greater Kansas City PI: Hampl 2017-2018
KC Obesity Treatment Pilot for Missouri's Children
Role: Co-I

R01 NR016255 PI: Davis 01/11/17-11/30/21

Rural Disparities in Pediatric Obesity: the momh Intervention

The purpose of this 5 year NIH award is to assess the effectiveness of an e-health family based intervention for tailored for rural families for the treatment of pediatric obesity.

CHLN Co-Investigators: E Nelson, M Dreyer Gillette, D Sullivan (Duplicate listing: Davis)

Completed Research Support

Healthy Weight Research Network PI: Dreyer-Gillette 1/1/2016-12/31/2017
Optimizing Weight Management Intervention for Young Children with Autism Spectrum Disorder

Dr. Daniel Forsha

Ongoing Research Support

Sponsor LifeNet Health PI: Hopkins, Richard 2015-current
A 180-day GLP preclinical safety and performance evaluation of a cryopreserved, decellularized, and extracellular matrix conditioned pulmonary allograft heart valve (MatrACELL-Plus) in the Ovine Model
Role: Co-I

Duke University Medical Center PI: Forsha 2013-current
Medtronic Fellow Research Grant
Activation delay induced heart failure in congenital heart disease.

Dr. Elin Grundberg

Ongoing Research Support

University of Dresden, Germany PI: Grundberg 2016 - 2019
BMBF-funded EpiTriP consortium, Prof Jochen Hampe

CIHR Team Grant PI: Grundberg 2017 - 2019
4D Nucleome Transformative Collaborative Project
Accessing chromatin interactions by high-resolution analyses of correlated regulatory element variation

Merck, Sharpe & Dohme Corporation/McGill Faculty of Medicine Grant for Translational Research
PI: Richards 2016 - 2018
Glucose-Independent Mechanisms for Coronary Heart Disease in Type 2 Diabetes: An Epigenetic Study
My role: co-investigator

Dr. Sarah Hampl

Ongoing Research Support

American Academy of Family Physicians Foundation Role: Co-I 2017-2018
FitTastic, an EMR Clinic Decision Tool to Prevent and Reduce Childhood Obesity

Healthcare Foundation of Greater Kansas City KC Obesity Treatment Pilot for Missouri's Children	PI: Hampl	2016-2018 (Duplicate listing: Dreyer)
Menorah Legacy Foundation Community Partnership for the Zoom to Health Program	Role: Co-I	2012-present

Dr. Cara Hoffart

Ongoing Research Support

R01AR070474 NIH/NIAMS Multi-Site Randomized Clinical Trial of FIT Teens for Juvenile Fibromyalgia Role: Co-I	PI: Kashikar-Zuck	7/1/2016-6/30/2021
--	-------------------	--------------------

Completed Research Support

Cross Family Foundation Grant Award When Sleep Is a Pain	PI: Hoffart	1/2015-12/2017
---	-------------	----------------

Dr. Rusty McCulloh

Ongoing Research Support

NICHD SPeCTRE: The Sunflower Pediatric Clinical Trials Research Extension	PI: McCulloh	9/21/2016-8/31/2020
--	--------------	---------------------

Courtney Turner Foundation EDSPACE: Electronic Decision Support for Pediatric Acute Care Excellence	PI: McCulloh	7/1/2017-6/30/2018
--	--------------	--------------------

Patton Trust, KCALSI Use of multiplex proteomic assays for diagnosis of pediatric genetic diseases	PI: McCulloh	10/1/2015-1/31/2018
---	--------------	---------------------

Completed Research Support

Katherine Berry Richardson Foundation A national assessment of the microbiology, epidemiology, and resource utilization in infants hospitalized for suspected serious bacterial infection (SBI)	PI: McCulloh	4/1/2014-10/31/2017
--	--------------	---------------------

Eva and Kenneth Smith Foundation This is a Clinical Scholar Award for research in medical decision-making, health outcomes, and informatics. It generally supports all aspects of my research platform.	PI: McCulloh	7/1/2014-11/30/2017
--	--------------	---------------------

Gerber Foundation Novice Research Award Improving febrile infant diagnosis and treatment (IFIT): A national benchmarking study.	PI: McCulloh	7/1/2014-9/30/2017
--	--------------	--------------------

Dr. Robin Shook

Ongoing Research Support

Marion Merrell Dow Clinical Scholar Award	PI: Shook	9/2017-8/2019
---	-----------	---------------

Children's Mercy Kansas City

Aim: 1) To identify associations between neural, psychological, and hormonal appetite control pathways using subjective and objective measures of appetite and neurocognitive assessments of reward pre-intervention; and 2) To assess the effectiveness of a physical activity intervention on eating behavior in adolescents; OW/OB inactive adolescents will be randomly assigned to a 3-month exercise intervention (Exercise +Newsletter), or a control condition (Newsletter).

Children's Research Institute Research Development Award Children's Mercy Kansas City	PI: Shook	7/2017-6/2018
--	-----------	---------------

Aim: 1) To conduct strategic planning to establish a nationally recognized community-engaged research program; and 2) To develop organizational capacity to provide specialized outcome evaluation resources for WI community partners.

International Life Sciences Institute PI: Shook 5/2017-5/2018
Use of technology to assess activity and dietary intake in underserved populations
A novel estimation of energy balance through the calibration of consumer devices in free-living, rural US children
Aim: Validate and calibrate consumer devices to estimate energy balance using gold-standard methods and a Bayesian semi-parametric approach.

Center for Children's Healthy Lifestyles and Nutrition PI: Shook 5/2017-5/2018
Brain Activity, Physical Activity, Adiposity, and Reward
Aim: To explore the neurocognitive mechanisms of appetite control.
Co-I: Bruce, A.

Center for Children's Healthy Lifestyles and Nutrition PI: Shook 5/2017-5/2018
Graduate Assistantship in Energy Balance Research
Aim: Quantify variations in metabolic characteristics.

Iowa State University, College of Human Sciences PI: Shook 1/1/2016-12/31/2018
Aim: Develop a collaborative, multidisciplinary group of scientists across Iowa State University that will enhance research related to understanding energy balance.
Co-I's: Ellingston, Hollis, Lyte

Proposed Research Support

The National Institutes of Diabetes and Digestive and Kidney Diseases PI: Shook (under review)
Appetite control and adiposity across a continuum of activity
Aim: Quantify appetite regulation using subjective and objective techniques under three conditions: sedentary, insufficiently active, and active.
Current status: Submitted on February 15, 2017
Co-Is: Thyfault, Sullivan (Duplicate listing: Sullivan)

Dr. Vincent Staggs

Ongoing Research Support

NASPGHAN Foundation Young Investigator Award PI: Shakhnovich 12/15/2017-12/14/2019
The impact of obesity on systemic proton pump inhibitor (PPI) exposure in children and adolescents

U54 HD090258 PI: Leeder 9/1/2016-8/31/2021
Genomic- and ontogeny-linked dose individualization and clinical optimization for kids
Specialized Centers in Research in Pediatric Developmental Pharmacology
Role: Co-investigator

NICHD, R01 HD090981-01 Co-PIs: Wagner, Goggin, Wanyenze 9/23/2016-6/30/2021
Integrating counseling to transform HIV family planning services
Role: Co-investigator

R01 HD076673-04S2 PI: Kessler 9/28/2016-4/30/2018
Supplement to the evaluation of the HITSystem© to improve early infant diagnosis outcomes in Kenya: Piloting at-birth point of care HIV testing strategies in Kenya
Role: Co-Investigator

DP3 DK108211 PI: Patton 9/20/2015-9/19/2019
An interactive mHealth app for better glycemic control in families of young kids with T1D

Role: Co-Investigator (Duplicate listing: Patton)

K23 HD083405-01A1 PI: Miller 5/1/2016-4/30/2020
Enhanced intervention to improve adolescent outcomes: A clinical trial
Role: Co-Investigator

Marion Merrell Dow Clinical Scholar Award PI: Jones 7/1/2016-6/30/2018
Characterization of the impact of the low-income young African-American child stress phenotype on asthma
Role: Co-Investigator

Noah's Bandage Project Award PI: Godwin 8/15/2016-8/14/2018
Exosomes as biomarkers of disease and therapy-resistance in Ewing Sarcoma
Role: Co-investigator

Completed Research Support

R56 AG051799 PI: Shorr 11/1/2016-10/31/2017
Fall prevention in high-and low-fall hospital nursing units
Role: Site PI/Co-Investigator

R01 HD072633 PI: Wagner 7/18/2012-3/31/2017
Determinants of use of safer conception strategies among HIV clients in Uganda
Role: Co-Investigator

KC Area Life Sciences Institute Award PI: Nadler 4/1/2016-3/31/17
Linking autism screening in primary care to long-term health outcomes
Role: Co-Investigator

Proposed Research Support

F31 DK116480 PI: Noser 1/1/2018-1/1/2020
Assessment of physical activity and sedentary behavior on glucose in teens with Type 1 diabetes
Role: Co-sponsor

Dr. Joel Waddell

Ongoing Research Support

Children's Mercy Hospital Fellowship Research Grant PI: Waddell 10/2017-present
For support of project Comparative analysis of antibiotic dosing adequacy and clinical outcomes in osteomyelitis among obese vs healthy weight children.

IDWeek™2017 Trainee Travel Grant PI: Waddell 10/2017
For support of project "Comparative Analysis of Initial Antibiotic Dosing Among Healthy Weight, Overweight, and Obese Children with Osteomyelitis.

Dr. Dustin Wallace

Completed Research

Cross Foundation Clinical Scholar Award PI: Hoffart, C. 2015-2017
Sleep Disruption in Children with Chronic Pain
Role: Co-PI (Duplicate listing: Hoffart)

Dr. David White

Ongoing Research Support

Children's Mercy Kansas City PI: White 2016-present
The Effect of Physical Activity Bout Patterns on Blood Lipids in Youth: NHANES 2003-2006

Children's Mercy Kansas City Frailty in Children with Cardiac Disease – A Pilot Study	Role: Co-I	2016-present
Children's Mercy Kansas City, Pediatric Heart Network Fontan Udenafil Exercise Longitudinal Assessment Trial (FUEL)	Role: Site Co-I	2016-present
Children's Mercy Kansas City The Utility of Ratings of Perceived Exertion in Children with an Impaired Heart Rate Response	PI: White	2016-present
Children's Mercy Kansas City Parent Perception of Child Weight Status in a Pediatric Preventive Cardiology Clinic	PI: White	2016-present
Children's Mercy Kansas City Correlation of Echocardiographic Measurements to Exercise Parameters in Fontan Patients		2016-present
Children's Mercy Hospitals and Clinics The Effects of Second-Hand Smoke Exposure on Vasculature in Children with Dyslipidemia	PI: White	2014-present

Publications (pulled from CHLN member CV)

Book Chapters

Carlson, J.A., Dean, K.M., & Sallis, J.F. (2017). National Collaborative on Childhood Obesity Research Measures Registry User Guide: Physical Activity Environment. Available at: <http://nccor.org/tools-mruserguides/physical-activity-environment/>.

Carlson, J.A., & Sallis, J.F. (2017). Environment and policy interventions. In Zhu W & Owen N. (Eds.). *Sedentary Behavior and Health Concepts, Assessments, and Interventions*. Champaign, IL: Human Kinetics; 285-295.

DePorre A, Aronson P, **McCulloh R**. Facing the Ongoing Challenge of the Febrile Infant. In Jean-Louis Vincent (Ed.) “*Annual Update in Intensive Care and Emergency Medicine 2017*” (Vol.1 pp. 417-430). Cham: Springer International.

Dempsey P and **Thyfault JP**. Physiologic Responses to Sedentary Behaviour. In Leitzmann MF, Jochem C & Schmid D. (Eds) *Sedentary Behaviour Epidemiology*. Springer. 2017 Dec; 109 – 153.

Book Chapters in Press

Cushing, C. C. (in press). eHealth applications in pediatric psychology. In M. C. Roberts & R. G. Steele (Eds.), *Handbook of Pediatric Psychology 5th ed.*

Waddell J, McCulloh R. “Pertussis”. *Ferri's Clinical Advisor*. 2018

Mische Lawson, L., Hiskey, B., & Theleman, M. (in press). Effects of a national health promotion program for improving health behaviors of individuals with disabilities. *Therapeutic Recreation Journal*

Ismael, N. & **Mische Lawson, L.** (in press). The relationship between sensory processing and participation in daily occupations for children with autism spectrum disorders: A systematic review of studies that used Dunn's Sensory Processing Framework. *American Journal of Occupational Therapy*

Waddell, J. and **McCulloh, R.** “Pertussis.” From: *Ferri's Clinical Advisor*. 2018

Peer-reviewed Journal Articles

Fazzino, T., Fabian, C., **Befort, C.** Change in physical activity during a weight management intervention for breast cancer survivors: Association with weight outcomes. *Obesity*. 2017 Nov;25 Suppl 2:S109-S115. doi: 10.1002/oby.22007.

Fazzino, T., Klemp, J., & **Befort, C.** Late breast cancer treatment-related symptoms and functioning: Associations with physical activity adoption and maintenance during a lifestyle intervention. *Breast Cancer Research and Treatment*, 2018 Apr;168(3):755-761. doi: 10.1007/s10549-017-4603-z. Epub 2017 Dec 22.

*denotes supervision of student-led paper

Sánchez-Borges M, Fernandez-Caldas E, Thomas WR, Chapman MD, Lee BW, Caraballo L, Acevedo N, Chew FT, Ansotegui IJ, Behrooz L, Phipatanakul W, Gerth van Wijk R, Pascal D, Rosario N, Ebisawa M, Geller M, Quirce S, Vrtala S, Valenta R, Ollert M, Canonica GW, Calderón MA, **Barnes CS**, Custovic A, Benjaponpitak S, Capriles-Hulett A. International consensus (ICON) on: clinical consequences of mite hypersensitivity, a global problem. *World Allergy Organ J*. 2017 Apr 18;10(1):14.

Shroba J, **Barnes C**, Nanda M, Dinakar C, Ciaccio C. Ara h2 levels in dust from homes of individuals with peanut allergy and individuals with peanut tolerance. *Allergy Asthma Proc*. 2017 May 1;38(3):192-196.

Jara D, Portnoy J, Dhar M, **Barnes C**. Relation of indoor and outdoor airborne fungal spore levels in the Kansas City metropolitan area. *Allergy Asthma Proc*. 2017 Mar 1;38(2):130-135. doi: 10.2500/aap.2017.38.4030.

Tschudy MM, Sharfstein J, Matsui E, **Barnes CS**, Chacker S, Codina R, Cohn JR, Sandel M, Wedner HJ. Something New in the Air: Paying for Community-Based Environmental Approaches to Asthma Prevention and Control: Work Group Report of the Practice, Diagnostics and Therapeutics Committee of the American Academy of Allergy, Asthma & Immunology. *J Allergy Clin Immunol*. 2017 Feb 10. pii: S0091-6749(17)30223-3.

Berkley-Patton, J., Bove Thompson, C., **Bradley-Ewing, A.**, Berman, M., Booker, A., Catley, D., Goggin, K., Williams, E., Wainright, C., Petty, T., & Aduloju-Ajijola, N. (2017). Identifying health conditions, priorities, and relevant multilevel health promotion intervention strategies in African American churches: A faith community health needs assessment. *Evaluation and Program Planning*. doi: 10.1016/j.evalprogplan.2017.10.012

Thelen, J. M., Bruce, A., Catley, D., Lynch, S., Goggin, K., **Bradley-Ewing, A.**, Glusman, M., Norouzinia, A., Strober, L., & Bruce, J. (2017). Baseline predictors of DMT reinitiation among patients with multiple sclerosis following an MI-CBT intervention. *Journal of Behavioral Medicine*. doi: 10.1007/s10865-017-9900-9.

Berman, M., Berkley-Patton, J., Bove Thompson, C., Booker, A., & **Bradley-Ewing, A.** (2017). Exploring HIV risk and ex-offender status among African American church populations: Considerations for faith-based settings. *The Journal of Correctional Health Care* 23(2), 230-242. doi:1078345817700615.

*Borner, K., Mitchell, T., **Carlson, J.A.**, Kerr, J., Saelens, B.E., Schipperijn, J., Frank, L.D., Conway, T.L., Glanz, K., Chapman, J.E., Cain, K.L., Sallis, J.F. (under review). Latent profiles of young adolescents' physical activity across five locations on schooldays.

Carlson, J.A., Liu, B., Sallis, J.F., Kerr, J., Hipp, J.A., Staggs, V.S., Papa, A., Dean, K., & Vasconcelos, N.M. (2017). Automated ecological assessment of physical activity: advancing direct observation. *International Journal of Environmental Research and Public Health*, *14*, 1487.

*Berman, M., Bozsik, F., Shook, R.P., Meissen-Sebelius, E., Markenson, D., Summar, S., DeWit, E., & **Carlson, J.A.** (in press). Evaluation of the Healthy Lifestyles Initiative for improving community capacity for childhood obesity prevention. *Preventing Chronic Disease*.

*Bozsik, F., Berman, M., Shook, R.P., Summar, S., DeWit, E., & **Carlson, J.A.** (in press). Implementation contextual factors related to youth advocacy for healthy eating and active living. *Translational Behavioral Medicine*.

Norman, G., **Carlson, J.A.**, Patrick, K., Kolodziejczyk, J., Godino, J., Huang, J., & Thyfault, J. (2017). Sedentary behavior and cardiometabolic health associations in obese 11-13 year olds. *Childhood Obesity*, *13*(5), 425-432.

Carlson, J.A., Engelberg, J.K., Cain, K.L., Conway, T.L., Geremia, C., Bonilla, E., Kerner, J., & Sallis, J.F. (2017). Contextual factors related to implementation of classroom physical activity breaks. *Translational Behavioral Medicine*, *7*(3), 581-592.

Carlson, J.A., Mitchell, T.B., Saelens, B.E., Staggs, V.S., Kerr, J., Frank, L.D., Schipperijn, J., Conway, T.L., Glanz, K., Chapman, J.E., Cain, K.L., & Sallis, J.F. (2017). Within-person associations of young adolescents' physical activity across five primary locations: Is there evidence of cross-location compensation. *International Journal of Behavioral Nutrition & Physical Activity*, *14*, 50.

*Mitchell, T.B., Borner, K.B., Finch, J., Kerr, J., & **Carlson, J.A.** (2017). Using activity monitors to measure sit-to-stand transitions in overweight/obese youth. *Medicine & Science in Sports & Exercise*, *49*(8), 1592-1598.

Boutelle, K.N., Knatz, S., **Carlson, J.A.**, Bergmann, K., & Peterson, C.B. (2017). An Open Trial Targeting Food Cue Reactivity and Satiety Sensitivity in Overweight and Obese Binge Eaters. *Cognitive and Behavioral Practice*, *24*(3), 363-373.

Wang, X., Conway, T.L., Cain, K.L., Frank, L.D., Saelens, B.E., Geremia, C., Kerr, J., Glanz, K., **Carlson, J.A.**, & Sallis, J.F. (2017). Interactions of psychosocial factors with built environments in explaining adolescents' active transportation. *Preventive Medicine*, *100*, 76-83.

*Lee, H.S., Addicott, M., Martin, L.E., Harris, K.J., Goggin, K.J., Richter, K., Patten, C., McClernon, F.J., Fleming, K., & **Catley, D.** (2018). Implicit attitudes and smoking behavior in a smoking cessation induction trial. *Nicotine & Tobacco Research*. *20*(1), 58-66. doi:10.1093/ntr/ntw259

Dai H, **Catley D.** (in press). The Effects of Assurances of Voluntary Compliance on Retail Sales to Minors in the United States: 2015-2016. *Preventive Medicine*.

Thelen, J. M., Bruce, A., **Catley, D.**, Lynch, S., Goggin, K., Bradley-Ewing, A., Glusman, M., Norouzinia, A., Strober, L., & Bruce, J. (in press). Baseline predictors of DMT reinitiation among patients with multiple sclerosis following an MI-CBT intervention. *Journal of Behavioral Medicine*.

Berkley-Patton, J., Bove Thompson, C., Bradley-Ewing, A., Berman, M., Booker, A., **Catley, D.**, Goggin, K., Williams, E., Wainright, C., Petty, T., & Aduloju-Ajijola, N. (in press). Identifying Health Conditions, Priorities, and Relevant Multilevel Health Promotion Intervention Strategies in African American Churches: A Faith Community Health Needs Assessment. *Evaluation and Program Planning*.

Conway, L.G., Harris, K.J., **Catley, D.**, Gornick, L.J., Conway, K.R., Repke, M.A., & Houck, S.C. (in press) Cognitive Complexity of Clients and Counselors during Motivation-based Treatment for Smoking Cessation: An Observational Study on Occasional Smokers in a U.S. College Sample. *BMJ Open*.

Faseru, B., Ellerbeck, E., **Catley, D.**, Gajewski, B., Scheuermann, T., Shireman, T., Mussulman, L., Nazir, N., Bush, T., & Richter, K. (2017). Changing the Default for Tobacco Treatment in Inpatient Setting: Study Protocol of a Randomized Controlled Trial. *Trials*. 18:379. doi: 10.1186/s13063-017-2119-9.

Dai, H., Hao, J., **Catley, D.** (2017). Vape Shop Density and Socio-demographic Disparities: A U.S. Census Tract Analysis. *Nicotine and Tobacco Research*. doi: 10.1093/ntr/ntx063. 2017.03.20.

*Fox, A. T., Martin, L. A., Bruce, J., Moreno, J. L., Staggs, V. S., Lee, H. S., Goggin, K., Harris, K. J., Richter, K., Patten, C., & **Catley, D.** (2017). Executive function fails to predict smoking outcomes in a clinical trial to motivate smokers to quit. *Drug and Alcohol Dependence*, 175, 227-231. doi: 10.1016/j.drugalcdep.2017.01.043.

Csillik, A., Bruce, J., **Catley, D.**, Gay, M.C., Goggin, K.J., Swaggart, K.R., Thomas, P.W., & Thomas, S. (2016). Psychological interventions for enhancing adherence to disease-modifying therapies (DMTs) in multiple sclerosis (Protocol). *The Cochrane Library*, 11, doi: 10.1002/14651858.CD012443.

*Krigel, S.W., Grobe, J.E., Goggin K., Harris, K.J., Moreno, J.L., & **Catley, D.** (2017). Motivational Interviewing and the Decisional Balance procedure for cessation induction in smokers not intending to quit. *Addictive Behaviors*, 64, 171-178. doi: 10.1016/j.addbeh.2016.08.036.

Chrisman M, Chow W., Daniel CR., Wu X., Zhao H. (2017). Associations between language acculturation, age of immigration, and obesity in the Mexican American Mano A Mano cohort. *Obesity Research and Clinical Practice*. doi: 10.1016/j.orcp.2017.03.005*

Clements MA, Staggs VS: A Mobile App for Synchronizing Glucometer Data: Impact on Adherence and Glycemic Control Among Youths With Type 1 Diabetes in Routine Care. *J Diabetes Sci Technol* 2017;11(3):461-467

Marker AM, Noser AE, **Clements MA**, Patton SR: Shared Responsibility for Type 1 Diabetes Care Is Associated With Glycemic Variability and Risk of Glycemic Excursions in Youth. *J Pediatr Psychol Advance Online Publication* 2017; doi: 10.1093/jpepsy/jsx081 *Participated in planning discussions with S Patton on proposed research. Supervised data collection at site. Critically reviewed data analysis. Participated in critical review and actual editing of manuscript drafts.

Patton SR, Noser AE, **Clements MA**, Dolan LM, Powers SW: Reexamining the Hypoglycemia Fear Survey for Parents of Young Children in a Sample of Children Using Insulin Pumps. *Diabetes Technol Ther* 2017;19(2):103-108. *Participated in planning discussions with S Patton on proposed research. Supervised data collection at site. Critically reviewed data analysis. Participated in critical review and actual editing of manuscript drafts.

Shoemaker A, Cheng P, Gal RL, Kollman C, Tamborlane WV, Klingensmith GJ, **Clements MA**, Hannon TS, Heptulla R, Less J, Wood J, for the Pediatric Diabetes C: Predictors of Loss to Follow-Up among Children with Type 2 Diabetes. *Horm Res Paediatr* 2017;87(6):377-384. *Participated in planning discussions with entire team on proposed research. Critically reviewed data analysis. Participated in critical review and actual editing of all manuscript drafts.

Connelly M, Bickel J, Wingert T, Galemore, C. (2017). The Headache Action Plan Project for Youth (HAPPY): school nurses as facilitators of system change in pediatric migraine care. *NASN School Nurse*, Aug 1:1942602X17719300.

Connelly, M., Bromberg, M., Anthony, K., Gil, K., & Schanberg, L. (2017). Use of smartphones to prospectively evaluate predictors and outcomes of caregiver responses to pain in youth with chronic disease. *Pain*, 158(4), 629-636.

Schurman, J.V, Deacy, A.D., Johnson, R.J., Parker, J., Williams, K., **Wallace, D., Connelly, M.**, Anson, L., & Mroczka, K. (2017) Using quality improvement methods to increase use of pain prevention strategies for childhood vaccination. *World Journal of Clinical Pediatrics*, 6(1), 81-88.

Gaultney, A., Bromberg, M., **Connelly, M.**, Spears, T., & Schanberg, L. (2017). Parent and child report of pain and fatigue in JIA: does disagreement between parent and child predict functional outcomes? *Children*, 4(2), 11.

Cushing, C. C., Marker, A. M.* , Bejarano, C. M.* , Crick, C. J., & Huffhines, L. P.* (2017). Latent variable mixture modeling of ecological momentary assessment data: Implications for screening and adolescent mood profiles. *Journal of Child and Family Studies*. doi:10.1007/s10826-017-0689-5 (Refereed) A,B,C,D,E,F,G,H

Cushing, C. C., Mitchell, T. B.* , Bejarano, C. M.* , Walters, R. W., Crick, C. J., & Noser, A. E.* (2017). Bidirectional associations between psychological states and physical activity in adolescents: A mHealth pilot study. *Journal of Pediatric Psychology*. doi:10.1093/jpepsy/jsw099 (Refereed) A,B,C,D,E,F,G,H
Received an honorable mention for the 2017 Diane J. Willis award for Outstanding Article in the Journal of Pediatric Psychology.

Cushing, C. C. (2017). eHealth applications in pediatric psychology. In M. C. Roberts & R. G. Steele (Eds.), *Handbook of Pediatric Psychology 5th ed.* (pp. 201-211). ISBN: 9781462529780 (Refereed, Invited) B,C,G

Fedele, D. A., **Cushing, C. C.**, Fritz, A.* , Amaro, C. M.* , & Ortega, A.* (2017). Mobile health interventions for improving health outcomes in youth: A meta-analysis. *JAMA Pediatrics*. doi:10.1001/jamapediatrics.2017.0042 (Refereed) A,B,C,D,E,F,G,H

Noser, A. E.* , **Cushing, C. C.**, McGrady, M. E., Amaro, C. M.* , & Huffhines, L. P.* (2017). Adaptive intervention designs in pediatric psychology: The promise of sequential multiple assignment randomized trials of pediatric interventions. *Clinical Practice in Pediatric Psychology*. doi:10.1037/cpp0000185 (Refereed) B,C,G,H

Odar Stough, C., Poppert Cordts, K., Dreyer Gillette, M. L., Borner, K., Dean, K., Hampl, S., Peugh, J., & **Davis, A. M.** (2017). Caregiver hope and child outcomes following pediatric weight management programs. *Children's Health Care*, p.1-16.

Tripicchio, GL, Ammerman, AS, Neshteruk, C., Faith, MS, Dean, K., Befort, C., Ward, DS, Truesdale, KP, Burger, KS, **Davis, A.** (2017). Technology components as adjuncts to family-based pediatric obesity treatment in low-income minority youth. *Childhood Obesity*

Davis, AM, Ward, WL, Armstrong, B, Devine, KA, Verrill Schurman, J. (2017). The rise of special interest groups and their role in division 54, the society of pediatric psychology. *Clinical Practice in Pediatric Psychology*, 5(1) 6-14.

Delahunt, J.Z. & Mische-Lawson, L. Relationships between adolescent body mass index, physical activity, and sensory-processing patterns. *Canadian Journal of Occupational Therapy*, 2017:84(3), 189-198.

Pona, A., **Dreyer Gillette, M. L.**, Odar Stough, C., Gerling, J., & **Sweeney, B. R.** (2017). Long-term outcomes of a multidisciplinary weight management intervention for youth with disabilities. *Childhood Obesity*, 13, 455-461.

Maliszewski, G., **Dreyer Gillette, M.L.**, Cowden, J.D., & Brown, C. (2017). Parental feeding style and pediatric obesity in Latino families. *Hispanic Health Care International*, 15, 65-70.

Tripicchio, G. L., Borner, K. B., Odar Stough, C., Poppert Cordts, K., **Dreyer Gillette, M., & Davis, A. M.** (2017). Confirmatory factor analysis of Sizing Me Up: Validation of an obesity-specific health-related quality of life measure in Latino youth. *Journal of Pediatric Psychology*, 1, 457-465.

Forsha D, Risum N, Barker P. Activation delay induced mechanical dyssynchrony in single ventricle heart disease. *Cardiol Young*. 2017; 27(7): 1390-1. PMID 28597808

Kemp JP, Morris JA, Medina-Gomez C, Forgetta V, Warrington NM, Youlten SE, Zheng J, Gregson CL, **Grundberg E**, Trajanoska K, Logan JG, Pollard AS, Sparkes PC, Ghirardello EJ, Allen R, Leitch VD, Butterfield NC, Komla-Ebri D, Adoum AT, Curry KF, White JK, Kussy F, Greenlaw KM, Xu C, Harvey NC, Cooper C, Adams DJ, Greenwood CMT, Maurano MT, Kaptoge S, Rivadeneira F, Tobias JH, Croucher PI, Ackert-Bicknell CL, Bassett JHD, Williams GR, Richards JB, Evans DM. Identification of 153 new loci associated with heel bone mineral density and functional involvement of GPC6 in osteoporosis. *Nat Genet*. 2017 Oct;49(10):1468-1475.

Warren A, Cheung, Xiaojian Shao, Andréanne Morin, Valérie Siroux, Tony Kwan, Bing Ge, Dylan Aïssi, Lu Chen, Louella Vasquez, Fiona Allum, Frédéric Guénard, Emmanuelle Bouzigon, Marie-Michelle Simon, Elodie Boulter, Adriana Redensek, Stephen Watt, Avik Datta, Laura Clarke, Paul Flicek, Daniel Mead, Dirk S. Paul, Stephan Beck, Guillaume Bourque, Mark Lathrop, André Tchernof, Marie-Claude Vohl, Florence Demenais, Isabelle Pin, Kate Downes, Hendrick G. Stunnenberg, Nicole Soranzo, Tomi Pastinen, **Elin Grundberg**, Functional variation in allelic methylomes underscore strong genetic contribution and reveal novel epigenetic alterations in the human epigenome. *Genome Biol*. 2017 Mar 10;18(1):50.

Odar Stough C, Poppert Cordts, K, **Dreyer Gillette ML**, Borner K, Dean K, **HAMPL S**, Peugh J, & **Davis AM**. Caregiver hope and child outcomes following pediatric weight management programs. *Children's Health Care*. DOI:10.1080/02739615.2017.1327357.

Rhodes ET, Boles RE, Chin K, Christison A, Getzoff-Testa E, Guion K, Hawkins MJ, Petty RE, Gaffka BS, Santos M, Shaffer L, Tucker J, **HAMPL SE**. Expectations for Treatment in Pediatric Weight Management and Relationship to Attrition. *Childhood Obesity* 2017;13(2):120-127.

Wilfley DE, Staiano AE, Altman M, Lindros J, Lima A, Hassink SG, Dietz WH, Cook S, and The Improving Access and Systems of Care for Evidence-based Childhood Obesity Treatment Conference Workgroup (**HAMPL S**, workgroup member). Improving access and systems of care for evidence-based childhood obesity treatment: Conference key findings and next steps. *Obesity* 2017;25:1:16-29.

*Sterczala, A.J., J.D. Miller, M.A. Trevino, H.L. Dimmick, and **T.J. Herda**. Differences in motor unit behavior during submaximal contractions of the first dorsal interosseous in chronically resistance trained versus physical active men. *Appl Phys Nut Met*. In Press.

*Sterczala, A.J., **T.J. Herda**, J.D. Miller, A.B. Ciccone, M.A. Trevino, and J.X. Nicoll. Differences in the motor unit action potential size vs. recruitment threshold relationships between young and old men. *Clin Physiol Funct Imaging*. In Press.

*Miller, J.D., **T.J. Herda**, M.A. Trevino, A.J. Sterczala and A.B. Ciccone (2017). Time-related changes in firing rates are influenced by recruitment threshold and the magnitude of twitch force potentiation in the first dorsal interosseous. *Exp Phys*. V102(8):950-961.

Smith, C.M., T.J. Housh, J.M. Zuniga, C.L. Camic, H.C. Bergstrom, D.B. Smith, **T.J. Herda**, J.P. Weir, E.C. Hill, N.D.M. Jenkins, R.J. Schmidt and G.O (2017). Johnson. Influence of interelectrode distance and innervation zone on electromyographic signals. *Int J Sports Med*. V38(2):111-117.

*Miller, J.D., **T.J. Herda**, A.J. Sterczala, A.B. Ciccone, M.A. Trevino, and J.X (2017). Nicoll. Age-related differences in twitch properties and muscle activation of the first dorsal interosseous. *Clin Neurophysiol*. V128(6):925-934.

Lane M.T., **T.J. Herda**, A.C. Fry, M.A. Cooper, M.J. Andre, and P.M. Gallagher (2017). Endocrine responses and acute mTOR pathway phosphorylation to resistance exercise with leucine and whey. *Biol of Sport*. V34(2):197-203.

Ciccone, A.B., J.A. Deckert, **T.J. Herda**, P.M. Gallagher, and J.P. Weir. Methodological differences in the interpretation of fatigue data from repeated maximal effort knee extensions. *The Open Sports Sciences Journal*. In Press.

*Mosier, E.M., **T.J. Herda**, M.A. Trevino, and J.D. Miller (2017). The influence of prolonged vibration on motor unit behavior. *Muscle Nerve*. V55(4):500-507.

Cauble J., M. Dewi, and **H.R. Hull**. (2017). Reliability and validity of anthropometric equations to estimate neonate body composition. *BMC Pediatrics*. 17(1):88

Dewi M, S.E. Carlson, K.M. Gustafson, D.K. Sullivan, J.A. Wick, and **H.R. Hull**. (2017). Programming of infant neurodevelopment by maternal obesity: potential role in maternal inflammation and insulin resistance. *Asia Pac J Clin Nutr*. 26(Suppl 1):S36-S39

DePorre A, Williams DD, Schuster J, Newland J, Bartlett J, Selvarangan R, Mann K, **McCulloh R**. Evaluating the Impact of Implementing a Clinical Practice Guideline for Febrile Infants With Positive Respiratory Syncytial Virus or Enterovirus Testing. *Hosp Pediatr*. 2017 Oct;7(10):587-594. doi: 10.1542/hpeds.2016-0217. PMID: 28935665

McCulloh RJ, Norton LE, Goldman JL. Extending Antimicrobial Stewardship to All Hospitalized Children: The Time Is Now. *Hosp Pediatr*. 2017 Sep;7(9):559-561. doi: 10.1542/hpeds.2017-0102. Epub 2017 Aug 16. PMID: 28814442

Feldman EA, **McCulloh RJ**, Myers AL, Aronson PL, Neuman MI, Bradford MC, Alpern ER, Balamuth F, Blackstone MM, Browning W, Hayes K, Korman R, Leazer R, Nigrovic LE, Marble R, Roben E, Williams D, Tieder JS. Empiric Antibiotic Use and Susceptibility in Infants with Bacterial Infections: A Multicenter Retrospective Cohort Study. *Hosp Pediatr*. 2017 July 20. pii: hpeds.2016-0162. doi: 10.1542/hpeds.2016-0162. Epub ahead of print. PMID: 28729240

Butler D, Torres-Torres S, Pahud B, Myers A, Bassw JA, St. Peter SC, **McCulloh R**. Clostridium difficile Ileitis in pediatric inflammatory bowel disease. *J Pediatr Gastroenterol Nutr*. 2017 Jun;64(6):e156-e158. PMID 25611030

DePorre A, Aronson P, **McCulloh R**. Facing the ongoing challenge of the febrile young infant. *Crit Care*. 2017 Mar 21;21(1):68. PMID 28320432

Smith A, **McCulloh RJ**. Mechanisms of haem toxicity of haemolysis and protection by the haem-binding protein, haemopexin. *ISBT Science Series*. 2017(1);12:119-133

Berman M, **Bozsik F, Shook RP, Meissen-Sebelius E**, Markenson D, **Summar S**, et al. Evaluation of the Healthy Lifestyles Initiative for Improving Community Capacity for Childhood Obesity Prevention. *Prev Chronic Dis* 2018;15:170306. DOI: <http://dx.doi.org/10.5888/pcd15.170306>

Mische Lawson, L. Mazurowski, M. & Petersen, S. (2017). Sensory processing patterns and swim skill acquisition of children with an autism spectrum disorder. *American Journal of Recreational Therapy*, 16(2), 290-40. ISSN 1539-4131.

Trowbridge, K. & **Mische Lawson, L.** (2017). A preliminary investigation of workplace provided compressed mindfulness-based stress reduction (cMBSR) with pediatric medical social workers. *Health and Social Work*, 42(4). <https://doi.org/10.1093/hsw/hlx038>

Delahunt, J., & **Mische Lawson, L.** (2017). Relationships between Adolescent Reported Levels of Physical Activity and Sensory Processing Patterns. *Canadian Journal of Occupational Therapy*, 84(3), 189-198.

Mische Lawson, L., & Little, L. (2017). Feasibility of a swimming intervention to improve sleep behaviors of children with autism spectrum disorder. *Therapeutic Recreation Journal*, 51(2), 97-108.

Trowbridge, K., & **Mische Lawson, L.** (2017). Social work research in practice: Lessons Learned. *Journal of Evidence-Informed Social Work*, 14, 1, 1-7. DOI:10.1080/23761407.2016.1261382

J.P. Thyfault and **E. Matthew Morris**. Intrinsic (genetic) aerobic fitness impacts susceptibility for metabolic disease. *Exerc Sport Sci Rev*. 2017 Jan;45(1):7-15. PMID: 27433978. (Duplicate entry also listed under JP Thyfault.)

J.A. Fletcher, M.A. Linden, R.D. Sheldon, G.M.E. Meers, **E. Matthew Morris**, A. Butterfield, J.W. Perfield 2nd, R.S. Rector, J.P. Thyfault. Fibroblast growth factor 21 increases hepatic oxidative capacity but not physical activity or energy expenditure in hepatic PGC-1 α deficient mice. *Exp Physiol*. 2017. Epub Dec 7 2017.

E. Matthew Morris, C.S. McCain, J.A. Allen, M.L. Gastecki, L.G. Koch, S.L. Britton, J.A. Fletcher, X. Fu, W.X. Ding, S.C. Burgess, R.S. Rector, and J.P. Thyfault. Aerobic Capacity mediates susceptibility for the transition from steatosis to steatohepatitis. *J Physiol*. 2017. Epub 2017 Jun 27. DOI: 10.1113/JP274281. PMID: 28504310

Nelson, E., Cain, S., & Sharp, S. (2017) Telemental health update. *Child and Adolescent Psychiatric Clinics of North America*, 26(1), 77-91.

Smith, C., Piamjariyakul, U., Werkowitch, M., Yadrich, D., Thompson, N., & **Nelson, E.** (2017). Identification of Depressive Symptoms Including Observations During iPad Based Audio-Visual Sessions. *Computers, Informatics, Nursing*, 35(7):352-357.

Myers K, **Nelson E**, Rabinowitz T, Hilty D, Baker D, Barnwell SS, Bernard J. (2017). American Telemedicine Association Practice Guidelines for Telemental Health with Children and Adolescents. *Telemedicine J & eHealth* 23(10):779-804.

Nelson, E., Yadrich, D., Thompson, N., Wright, S., Stone, K., Adams, N., Werkowitch, M., & Smith, C. Telemedicine support groups for home parenteral nutrition (HPN) users and their family caregivers. *Nutrition in Clinical Practice*. 32(6), 789–798.

Adams, N., Hamilton, N., **Nelson, E.**, & Smith, C. Assessing Depressive Symptoms in Patients and Caregivers Participating in a Home-Based Facilitated Support Group via Televideo. *Journal of Technology in Behavioral Science*, 1, 1-11.

NQF Telehealth Committee (2017). Creating a framework to support measure development for telehealth. National Quality Forum: http://www.qualityforum.org/Publications/2017/08/Creating_a_Framework_to_Support_Measure_Development_for_Telehealth.aspx

Patton, SR, Noser, AE, **Clements, MA**, Dolan, LM, & Powers, SP. Reexamining the hypoglycemia fear survey for parents of young children in a sample of children using insulin pumps. *Diabetes Technology and Therapeutics*. 2017 Feb;19(2):103-108. doi: 10.1089/dia.2016.0389

Ptomey LT, Gibson CA, Lee J, Sullivan DK, Washburn RA, Gorczyca AM, & Donnelly JE. Caregivers' effect on weight management in adults with intellectual and developmental disabilities. *Disability and Health Journal*. 2017 Oct;10(4):542-547. doi: 10.1016/j.dhjo.2017.02.001. Epub 2017 Feb 12

Drenowatz, C., Evensen, L. H., Ernstsens, L., Blundell, J. E., Hand, G. A., **Shook, R. P.**, Hebert, J. R., Burgess, S., & Blair, S. N. (2017). Cross-sectional and longitudinal associations between different exercise types and food cravings in free-living healthy young adults. *Appetite*, 118, 82-89. doi:10.1016/j.appet.2017.08.006

Welk, G., Kim, Y., **Shook, R. P.**, Ellingson, L., & Lobelo, R. L. (2017). Validation of a Non-invasive, Disposable Activity Monitor for Clinical Applications. *Journal of Physical Activity and Health*, 1-19. doi:10.1123/jpah.2016-0003

Staggs VS. Comparison of naïve, Kenward-Roger, and parametric bootstrap interval approaches to small-sample inference in linear mixed models. *Communications in Statistics - Simulation and Computation*. 2017;46:1933-1943. DOI: 10.1080/03610918.2015.1019002

Gibbs HD, Ellerbeck EF, Gajewski B, Zhang C, **Sullivan DK**. The Nutrition Literacy Assessment Instrument is a Valid and Reliable Measure of Nutrition Literacy in Adults with Chronic Disease. *J Nutr Educ Behav*. 12. 2017. pii: S1499-4046(17)30957-0.

Taylor MK, **Sullivan DK**, Swerdlow RH, Vidoni ED, Morris JK, Mahnken JD, Burns JM. A high-glycemic diet is associated with cerebral amyloid burden in cognitively normal older adults. *Am J Clin Nutr*. 106(6):1463-1470, 2017.

Gibbs HD, Harvey S, Owens S, Boyle D, **Sullivan DK**. Engaging Experts and Patients to Refine the Nutrition Literacy Assessment Instrument. *BMC Nutr*. 2017;3. pii: 71.

Dewi M, Carlson SE, Gustafson KM, **Sullivan DK**, Wick JA, Hull HR. Programming of infant neurodevelopment by maternal obesity: potential role of maternal inflammation and insulin resistance. *Asia Pac J Clin Nutr*. 26(Suppl 1):S36-S39, 2017.

Fazzino TL, Fleming K, Sher KJ, **Sullivan DK**, Befort C. Heavy Drinking in Young Adulthood Increases Risk of Transitioning to Obesity. *Am J Prev Med*. 53(2):169-175, 2017.

Ptomey LT, Saunders RR, Saunders M, Washburn RA, Mayo MS, **Sullivan DK**, Gibson CA, Goetz JR, Honas JJ, Willis EA, Danon JC, Krebill R, Donnelly JE. Weight management in adults with intellectual and developmental disabilities: A randomized controlled trial of two dietary approaches. *J Appl Res Intellect Disabil*. 2017.

Ptomey LT, Gibson CA, Lee J, **Sullivan DK**, Washburn RA, Gorczyca AM, Donnelly JE. Caregivers' effect on weight management in adults with intellectual and developmental disabilities. *Disabil Health J*. 10(4):542-547, 2017.

Donnelly JE, Hillman CH, Greene JL, Hansen DM, Gibson CA, **Sullivan DK**, Poggio J, Mayo MS, Lambourne K, Szabo-Reed AN, Herrmann SD, Honas JJ, Scudder MR, Betts JL, Henley K, Hunt SL, Washburn RA. Physical activity and academic achievement across the curriculum: Results from a 3-year cluster-randomized trial. *Prev Med*. 99:140-145, 2017.

Alnaim L, Taylor MK, Thodosoff J, **Sullivan DK**, Carlson SE. The effect of nighttime energy intake on BMI-Z scores during early childhood. *Federation of American Societies for Experimental Biology Journal (FASEB J)*. 2017 Apr; 31(1 Supplement):959 -14.

Kirk S, Armstrong S, King E, Trapp C, Grow M, Tucker J, Joseph M, Liu L, Weedn A, **Sweeney B**, Fox C, Fathima S, Williams R, Kim R, Stratbucker W, and on behalf of the POWER Work Group. Establishment of the Pediatric Obesity Weight Evaluation Registry: A National Research Collaborative for Identifying the Optimal Assessment and Treatment of Pediatric Obesity. *Child Obes*. 2017 Feb;13(1):9-17.

Pona AA, **Dreyer Gillette ML**, Odar Stough C, Gerling JK, and **Sweeney BR**. Long-Term Outcomes of a Multidisciplinary Weight Management Intervention for Youth with Disabilities. *Childhood Obes*. 2017 Dec; 13(6):455-461.

Park YM, Padilla J, Kanaley JA, Zidon T, Welly RJ, Britton SL, Koch LG, **Thyfault JP**, Booth FW, Vieira-Potter VJ. Voluntary running attenuates metabolic dysfunction in ovariectomized low-fit rats. *Med Sci Sports Exerc*. 2017 Feb;49(2):254-264.

Thyfault JP, Morris EM. Intrinsic (genetic) aerobic fitness impacts susceptibility for metabolic disease. *Exerc Sport Sci Rev*. 2017 Jan;45(1):7-15.

Reynolds LJ, Credeur DP, Manrique C, Padilla J, Fadel PJ, **Thyfault JP**. Obesity, type 2 diabetes, and impaired insulin stimulated blood flow: role of skeletal muscle NO synthase and endothelin 1. *J Appl Physiol* (1985). 2017 Jan 1;122(1):38-47.2016.

*** Selected for APSselect – editor's choice in December 16 issue of *J Appl Physiol*

Morris EM, McCoin CS, Allen JA, Gastecki ML, Koch L, Britton SL, Fletcher JA, Fu X, Ding WX, Burgess SC, Rector RS, **Thyfault JP**. Aerobic capacity mediates susceptibility for the transition from steatosis to steatohepatitis. *J Physiol*. Jul 15;595(14):4909-4926.

Hutfles LJ, Wilkins HM, Koppel SJ, Weidling IW, Selfridge JE, Tan E, **Thyfault JP**, Slawson C, Fenton AW, Zhu H, Swerdlow RH. A bioenergetics systems evaluation of ketogenic diet liver effects. *Appl Physiol Nutr Metab*. 2017 Sep;42(9):955-962.

Morris JK, Uy RAZ, Vidoni ED, Wilkins HM, Archer AE, **Thyfault JP**, Miles JM, Burns JM. Effect of APOE e4 genotype on metabolic biomarkers in aging and alzheimer's disease. *J Alzheimers Dis*. 2017;58(4):1129-1135.

Norman GJ, Carlson JA, Patrick K, Kolodziejczyk JK, Godino JG, Huang J, **Thyfault JP**. Sedentary behavior and cardiometabolic associations in children 11-13 years of age. 2017 *Child Obes*. 2017 Oct;13(5):425-432.

Panasevich MR, Schuster CM, Phillips KE, Meers GM, Chintapalli SV, Wankhade UD, Shankar K, Butteiger DN, Krul ES, **Thyfault JP**, Rector RS. Soy compared with milk protein in a western diet changes fecal microbiota and decreases hepatic steatosis in obese OLETF rats. *J Nutr Biochem*. 2017 Aug;46:125-136.

Tan EP, McGreal SR, Graw S, Tessman R, Koppel SJ, Dhakal P, Zhang Z, Machacek M, Zachara NE, Koestler DC, Peterson KR, **Thyfault JP**, Swerdlow RH, Krishnamurthy P, DiTacchio L, Apte U, Slawson C. Sustained O-GlcNAcylation reprograms mitochondrial function to regulate energy metabolism. *J Biol Chem*. 2017 Sep 8;292(36):14940-14962.

Porter JW, Rowles JL, Fletcher JA, Zidon TM, Winn NC, McCabe LT, Park YM, Perfield JW, Thyfault JP, Rector RS, Padilla J, Vieira-Potter V. Anti-inflammatory effects of exercise training in adipose tissue do not require FGF21. *J Endocrinol*. 2017 Nov;235(2):97-109.

Booth FW, Roberts CK, **Thyfault JP**, Ruegsegger GN, Toedebusch RG. Role of inactivity in chronic diseases: evolutionary insight and pathophysiological mechanisms. *Physiol Rev*. 2017 Oct 1;97(4):1351-1402.

Stroh MA, Winter MK, McCarson KE, **Thyfault JP**, Zhu H. NCB5OR deficiency in the cerebellum and midbrain leads to dehydration and alterations in thirst response, fasted feeding behavior, and voluntary exercise in mice. *Cerebellum*. 2017 [Epub ahead of print]

Cooper MA, Jack MM, Ryals JM, Hayley P, Escher T, Koch LG, Britton SL, Raupp SM, Winter MK, McCarson KE, Geiger PC, **Thyfault JP**, Wright DE. Rats bred for low and high running capacity display alterations in peripheral tissues and nerves relevant to neuropathy and pain. *Brain Behav*. 2017 Sep 6;7(10)e00780.

Fletcher JA, Linden MA, Sheldon RD, Meers GM, Morris EM, Butterfield A, Perfield JW 2nd, Rector RS, **Thyfault JP**. Fibroblast growth factor 21 increases hepatic oxidative capacity but not physical activity or energy expenditure in hepatic PGC-1a deficient mice. *Ex Physiol*. 2017 [Epub ahead of print].

Morris JK, Piccolo BD, Shankar K, **Thyfault JP**, Adams SH. The serum metabolomics signature of Type 2 Diabetes is obscured in Alzheimer's Disease. *AJP Endo and Metab*. 2017 [Epub ahead of print].

Williams, S. E., & **Wallace, D. P.** (2017). Pros and cons of social interaction during intensive pediatric pain treatment. *Pediatric Pain Letter*, 19(3), 31-37.

Chan, S. F., **Connelly, M.**, & **Wallace, D. P.** (2017). The relationship between pain characteristics, peer difficulties, and emotional functioning among adolescents seeking treatment for chronic pain: A test of mediational models. *Journal of Pediatric Psychology*, 42, 941-951. Doi: 10.1093/jpepsy/jsx074

Keating, E. A., Antiel, R. M., Weiss, K. E., **Wallace, D. P.**, Antiel, S. J., Fischer, P. R., & Harbeck-Weber, C. (2017). Parental Perceptions of Pediatric Pain and POTS-Related Disability. *Clinical Pediatrics*, 56, 1185-1192. Doi: 10.1177/0009922816681137

Schurman, J. V., Deacy, A. D., Johnson, R., Parker, J., Williams, K., **Wallace, D. P.**, **Connelly, M.**, Anson, L., & Mroczka, K. (2017). Using quality improvement methods to increase use of pain prevention strategies for childhood vaccination. *World Journal of Clinical Pediatrics*, 6(1), 81-88. doi: 10.5409/wjcp.v6.i1.81

Manuscripts in Press

Tripicchio, G.L., Neshteruk, C., Dean, K., Faith, M.S., **Befort, C.**, Truesdale, K., Burger, K.S., Ward, D.S., Ammerman, A.S., & Davis, A.D. (2017, in press). Examining technology components as adjuncts

to a traditional family-based pediatric obesity intervention in low-income, minority youth. *Childhood Obesity*.

*Thelen, J., Lynch, S., Catley, D., Goggin, K., **Bruce, A.S.**, Bradley-Ewing, A., Glusman, M., Norouzinia, A., & Bruce, J.M. (2017, in press). Baseline predictors of DMT re-initiation among patients with multiple sclerosis following an MI-CBT intervention. *Journal of Behavioral Medicine*.

Smith, J., **Bruce, A.S.**, Glusman, M., Thelen, J., Lynch, S., & Bruce, J.M. (2017, in press). Determining reliable chance on the modified fatigue impact scale (5-item version). *Multiple Sclerosis and related disorders*.

Lim, S.L., Penrod, M.T., Ha, O., Bruce, J.M., & **Bruce, A.S.** (2017, in press). Calorie labeling promotes dietary self-control by shifting the temporal dynamics of health and taste attribute integration in overweight individuals. *Psychological Science*.

Beals-Erickson, S., **Connelly, M.** (2017, in press). Current understanding of optimal self-management strategies and approaches for youth with amplified musculoskeletal pain conditions. *Current Treatment Options in Rheumatology*.

Fuentes IM, Pierce AN, Di Silvestro ER, Maloney MO, **Christianson JA.** (2017, in press) Early life stress induces perigenital hypersensitivity and dysfunction in male mice. *Frontiers in Systems Neuroscience*.

Bhattacharjee A, Winter M, Eggmann L, Mu Y, Gunewardena S, Liao Z, **Christianson JA,** Smith PA. (2017, in press) Motor, somatosensory, viscerosensory and metabolic impairments in a hemizygous female rat model of Rett syndrome. *International Journal of Molecular Sciences*.

Tester, J., Phan, T., Tucker, J., Leung, C., **Dreyer, M., Sweeney, B.**, Kirk, Shelly, Tindall, A., Olivo-Marston, S., & Eneli, I. (2017, in press). Characteristics of children 2-5 years of age with severe obesity. *Pediatrics*.

Odar Stough, C., Poppert Cordts, K., **Dreyer Gillette, M. L.**, Borner, K., Dean, K., **Hampel, S.**, Peugh, J., & **Davis, A. M.** (2017, in press). Caregiver hope and child outcomes following pediatric weight management programs. *Children's Health Care*.

Hidaka B.H., J. Thodosoff, E. Kerling, **H.R. Hull,** D.K. Sullivan, J. Colombo, and S.E. Carlson. (2017, in press) Determinants of child body size and body composition at 5 years. *AJCN*.

Hamilton-Reeves J.M., A. Stanley, M. Bechtel, T. Yankee, P. Chalise, L. Hand, E. Lee, W. Smelser, M. Mirza, H. Wyre, **H.R. Hull,** S.E. Carlson, and J. Holzbeierlein. (2017, in press) Perioperative immunonutrition attenuates inflammatory response and muscle wasting after radical cystectomy: results of a pilot randomized controlled clinical trial. *J Urology*.

Wright, S., & **Nelson, E.** (2017, in press) Telepsychology. *Wiley Encyclopedia of Health Psychology*.

*Van Allen, J, Noser, AE, Littlefield, AK, Seegan, PL, **Clements, MA,** & **Patton, SR** (2017, in press) Measuring Self-Efficacy in the Context of Pediatric Diabetes Management: Psychometric Properties of the Self-Efficacy for Diabetes Scale. *Journal of Pediatric Psychology*.

***Marker, AM, Noser, AE, Clements, MA,** & **Patton, SR** (2017, in press) Shared responsibility for type 1 diabetes care reduces glycemic variability and risk of glycemic excursions in youth. *Journal of Pediatric Psychology*.

Ptomey LT, Szabo AN, Willis EA, Greene JL, Danon JC, Washburn RA, Forsha DE, Donnelly JE. (2017, in press) Remote Exercise for Adults with Down Syndrome. *Translational Journal of the American College of Sports Medicine*.

Ptomey LT, Steger FS, Lee JH, Sullivan DK, Goetz JR, Honas JJ, Washburn RA, Gibson, CA, Donnelly JE. (2017, in press) Changes in Energy Intake and Diet Quality Across an 18-month Weight Management Randomized Control Trial in Adults with Intellectual and Developmental Disabilities. *Journal of the Academy of Nutrition and Dietetics*.

Ptomey LT, Willis EA, Greene JL, Danon J, Chumley TK, Washburn RA, Donnelly JE. (2017, in press) The feasibility of group video conferencing for promotion of physical activity in adolescents with intellectual and developmental disabilities. *American Journal Intellectual and Developmental Disabilities*.

Berman, M., **Bozsik, F., Shook, R. P., Meissen-Sebelius, E.**, Markenson, D., **Summar, S.**, DeWit, E., & **Carlson, J.** (2017, in press). Evaluation of the Healthy Lifestyles Initiative for Improving Community Capacity for Childhood Obesity Prevention. *Preventing Chronic Disease*.

Bozsik, F., Berman, M., **Shook, R. P., Summar, S.**, DeWitt, E., & **Carlson, J.** (2017, in press). Implementation Contextual Factors related to Youth Advocacy for Healthy Nutrition and Active Living *Translational Behavioral Medicine*.

Demello, M., Pinto, B. M., Dunsiger, S. I., **Shook, R. P.**, Hand, G. A., & Blair, S. N. (2017, in press). Reciprocal Relationship between Sedentary Behavior and Mood in Young Adults Over One-Year Duration. *Mental Health and Physical Activity*.

McMahon, D., Burch, J. B., Wirth, M. D., Youngstedt, S. D., Hardin, J. W., Hurley, T. G., Blair, S. N., Hand, G. A., **Shook, R. P.**, Drenowatz, C., Burgess, S., & Hebert, J. R. (2017, in press). Persistence of Social Jetlag and Sleep Disruption in Healthy Young Adults. *Chronobiology International*.

Paluch, A. E., **Shook, R. P.**, Hand, G. A., O'Connor, D. P., Wilcox, S., Drenowatz, C., Baruth, M., Burgess, S., & Blair, S. N. (2017, in press). The influence of life events and psychological stress on objectively measured physical activity: A 12-month longitudinal study. *Journal of Physical Activity and Health*.

Shook, R. P., Hand, G. A., O'Connor, D. P., Thomas, D. M., Hurley, T. G., Hebert, J. R., Drenowatz, C., Welk, G. J., Carriquiry, A. L., & Blair, S. N. (2017, in press). Energy intake derived from an energy balance equation, validated activity monitors, and dual x-ray absorptiometry can provide acceptable caloric intake data among young adults *Journal of Nutrition*.

Implementation Contextual Factors Related to Youth Advocacy for Healthy Eating and Active Living. **Bozsik, F.**, Berman, M., **Shook, R.P., Summar, S.**, DeWit, E., & **Carlson, J.A.** (2017, in press). *Translational Behavioral Medicine*

Evaluation of the Healthy Lifestyles Initiative for Improving Community Capacity for Childhood Obesity Prevention." Berman M., **Bozsik F., Shook R.P., Meissen-Sebelius E**, Markenson D, **Summar S**, DeWit E, & **Carlson J.A.** (2017, in press). *Preventing Chronic Disease*.

Taylor MK, **Sullivan DK**, Mahnken JD, Burns JM, Swerdlow RH. Feasibility and efficacy data from a ketogenic diet intervention in Alzheimer's disease. (2017, in press) *Alzheimer's & Dementia: Translational Research and Clinical Interventions*.

Tester, JM; Phan, T; Tucker, J; Leung, C; **Dreyer, M; Sweeney, B**; Kirk, S; Tindall, A; Olivo-Marston, S; Eneli, I. (2017, in press) Characteristics of Children 2-5 Years of Age with Severe Obesity. *Pediatrics*.

Manuscripts Submitted

Hand, L.K., Bechtel, M.D., Metcalf, M., Chana, C.R., Stanley, A.C., Chalise, P., Mahan, N., Sullivan, D., Klemp, J., **Befort, C.**, Thrasher, B., Hamilton-Reeves, J.M. Feasibility of a weight management program tailored for overweight men with localized prostate cancer: A pilot study.

Pierce AN, Eller-Smith OC, **Christianson JA**. Voluntary wheel running attenuates urinary bladder hypersensitivity and dysfunction following neonatal maternal separation in female mice. In revision at *Neurourology and Urodynamics*.

Fuentes IM, **Christianson JA**. The influence of early life experience on visceral pain. In revision at *Frontiers in Systems Neuroscience*.

Eller-Smith OC, Nicol AL, **Christianson JA**. Influence of stress on pain perception and processing. In revision at *Frontiers in Cellular Neuroscience*.

Bejarano, C. M.*, **Cushing, C. C.**, & Crick, C. J. (in review). Does context predict psychological states and objectively measured activity? An intensive longitudinal study of adolescents.

Cushing, C. C., Bejarano, C. M.*, Mitchell, T. B., Noser, A. E.*, & Crick, C. J. (in review). Is there evidence for individual differences in negative affectivity and physical activity across adolescents? An intensive longitudinal data approach.

Cushing, C. C., Martinez, B., Hall, J., Dickie, B. H., Helmrath, M., Frischer, J., & Zeller, M. H. (in revision). Initial development and validation of the CINCY-FIS: A fecal incontinence-specific quality of life measure.

Cushing, C. C., Kichline, T.*, Blossom, J. B.*, Friesen, C. A., Schurman, J. V. (in review). Feasibility and acceptability of a personalized assessment of chronic abdominal pain triggers.

Pona, A.A., Carlson, J.A., Shook, R.P., Dreyer Gillette, M.L., **Davis, A.M.** Maternal Body Mass Index Change Linked to Child Activity Change in Family-Based Behavioral Interventions for Pediatric Weight Management. Submitted for publication to *JPP* 5/11/17.

Borner, KB, Mitchell, TB, Gray, J, **Davis, AM**, Pont, S, Farrell, C, Sweeney, B, Hampl, S, Dreyer Gillette, M. Factor structure of a Spanish translation of an obesity-specific parent-report measure of health-related quality of life. Revise and Resubmit from *JPP* 12/6/17.

Halpin, K., Demographics, social circumstances, and features of insulin resistance in Midwestern youth. Manuscript submitted. 2017

Halpin, K., Hormonal and genetic profiles in disorders of sex development (DSD) and gender dysphoria. Manuscript preparation. 2017

Halpin, K., General pediatrics clinics data: Tracking obesity prevalence and prevention. Manuscript submitted. 2017.

*Dimmick, H.L., J.D. Miller, A.J. Sterczala, M.A. Trevino, and **T.J. Herda**. Vastus lateralis muscle composition and motor unit properties in chronically endurance trained vs. sedentary women. *Scand J Med SciSports*. In Review.

Herda, T.J., E.D. Ryan, M. Kohlmeier, M.A. Trevino, G.R. Gerstner, E.J. Roelofs, and J.D. Miller. Motor unit control strategies of the medial gastrocnemius and vastus lateralis in normal weight and overfat children 7 to 10 years. *J Neurophysiol*. Revisions Requested.

Herda, T.J., E.D. Ryan, M. Kohlmeier, M.A. Trevino, G.R. Gerstner, and E.J. Roelofs. Examination of muscle morphology and neuromuscular function in normal weight and overfat children aged 7 to 10 years of age. *ExpPhysiol*. In Review.

*Miller, J.D., A.J. Sterczala, Michael A. Trevino, and **T.J. Herda**. Examination of muscle quality and motor unit behavior of the first dorsal interosseous of normal and overweight children. *J Neurophysiol*. Revisions Submitted.

Gallagher, P.M., J.P. Vardiman, J. Siedlik, J. Deckert, Z. Graham, N. Moodie, and **T.J. Herda**. The effects of instrumented soft tissue mobilization on skeletal muscle following eccentric exercise. *Arch Phys Med Rehab*. In Review.

Smith, C.M., T.J. Housh, J.M. Zuniga, C.L. Camic, H.C. Bergstrom, D.B. Smith, **T.J. Herda**, J.P. Weir, J.T.Cramer, E.C. Hill, K.C. Cochrane, N.D.M. Jenkins, R.J. Schmidt and G.O. Johnson. Influences of interelectrode distance and the innervation zone on electromyographic parameters during the process of fatigue. *J Electromyogr Kinesiol*. In Review.

Graham, Z.A., J.P. Vardiman, J.A. Siedlik, J.A. Deckert, **T.J. Herda**, and P.M. Gallagher. Instrument-assisted soft tissue manipulation and the integrin / focal adhesion kinase pathway. *J Orthop Sports Phys Ther*. In Review.

Dietz, P.R., A.C. Fry, **T.J. Herda**, M.A. Cooper, M.T. Lane, and M.J. Andre. Kinetic and kinematic properties of low versus traditional velocity resistance exercise. *J Strength Cond Res*. In Review.

Thomas DM, A. McDougall, D.B. Allison, A. Moniz, S.B. Heymsfield, D.A. Schoeller, H. Pontzer, **H.R. Hull**, D.A. Fields. Energy balance model predictions of energy intake during Thanksgiving: Past and Present. Under Review. *Obesity*

Hull H.R., J. Goetz, K. Krase, D. Sullivan, B. Gajewski, S. Carlson. A high dietary fiber intervention prevents excessive gestational weight gain. Under Review. *J Nutr*

Ismael, N., **Mische Lawson, L.** Moqbel, M., & Little, L. (under review). Coping strategies among caregivers of children with autism spectrum disorders: A cluster analysis. *Journal of Autism and Developmental Disorders*.

Glennon, C., Klaus, S., Connolly, L., Bretches, A., Gard, A., Newcomer, L. & **Mische Lawson, L.** (under review). Virtual reality with bone marrow aspiration/biopsy procedure. *Oncology Nursing Forum*.

Mische Lawson, L., Little, L., Scott, N., & Saulsberry, J. (under review). Investigating the Effects of Swimming on Sleep Behaviors of Children with Autism Spectrum Disorder Using Single-subject Design. *Research in Developmental Disabilities*

Glueckauf, R., Maheu, M., Drude, K., Wells, B., & **Nelson, E.** National survey of telepsychology practice. *Professional Psychology Research & Practice*. Under review.

ATA Workgroup, **Nelson, E.**, Ryan Haight in Clinical Practice. *JTIBS*. Under review.

Doolittle, G., **Nelson, E.**, Spaulding, A., & Kuhlman, S. Telehospice. *ASCO journal*. In preparation

Patton, SR, Odar Stough, C, Pan, TY, Pollack, LO, & Dreyer Gillette, M. Associations between autism symptom severity and mealtime behaviors in young children presented with an unfamiliar food. Submitted to Journal of Developmental Behavioral Pediatrics.

*Marker, AM, Noser, AE, Knecht, N, Clements, MA, & **Patton, SR**. eNCQ: a tablet administered and scored measure of nutrition knowledge and carbohydrate counting accuracy for youth with type 1 diabetes and their caregivers. Submitted to Journal of Diabetes Science and Technology.

*Noser, AE, Finch, J, Majidi, S, Raymond, J, Clements, MA, & **Patton, SR**. Parenting style predicts long-term glycemic control in youth newly diagnosed with type 1 diabetes. Submitted to Pediatric Diabetes.

*Noser, AE, Marker, AM, Dai, H, Majidi, S, Clements, MA, & **Patton, SR**. Parental depression is associated with maintenance of diabetes-specific parental distress in the new-onset period of children with type 1 diabetes. Submitted to Journal of Health Psychology.

Ptomey LT, Szabo AN, Willis EA, Greene JL, Danon JC, Washburn RA, Forsha DE, Donnelly JE. Group video conferencing for the delivery of physical activity to adults with Down syndrome: A feasibility trial. Submitted to TJACSM.

Salley, B. Brady, N., Hoffman, L. & Fleming, K. (under review). Characterizing developmental differences in the complexity of infants' preverbal communication. *Developmental Psychology*.

Salley, B., Daniels, D., Murray, L., & Cooper, P. (under review). Ready, Set, Share a Book! A book sharing intervention for caregivers and infants.

Salley, B. Infant attention as a predictor of preverbal communication. (in preparation).

*Voelmle, K. & **Salley, B.** Speaking to Babies in Their First Year of Life: Patterns of Maternal Input. (in preparation).

*Latta, A. & **Salley, B.** Maternal responsiveness during book sharing and play: Effects on infant communication. (in preparation).

Salley, B. & *Voelmle, K. Developmental profiles of infant temperament and joint attention in the first year of life. (in preparation).

*Loke, S. W., **Lockwood, A., Smith, C. & **Salley, B.** Sex differences in behavioral profiles between children with and without ASD. (in preparation).

Salley, B., Smith, C., Daniels, D. Towards standardized identification of language and social regression in young children. (in preparation).

Bozsik, F., Carlson, J., Renz, D., Markenson, D., Summar, S., & Shook, R. P. (2017, in preparation). Mapping of an Urban Obesity Prevention and Treatment Network.

McClung, H., **Ptomey, L., Shook, R. P.**, Aggarwal, A., Gorczyca, A., Becofsky, K. M., Sazonov, E., Weis, R., & Das, S. (2017, *in review*, invited submission). Energy Intake and Physical Activity Assessment: Current Tools, Techniques and Technologies for use in Adult Populations. *American Journal of Preventive Medicine*.

Paluch, A. E., Hand, G. A., O'Connor, D. P., Wilcox, S., **Shook, R. P.**, Baruth, M., Drenowatz, C., Burgess, S., & Blair, S. N. (2017, *in review*). Intrapersonal level factors associated with specific components of the full spectrum of physical activity among young adults.

Ries, D., Carriquiry, A. L., & **Shook, R. P.** (2017, *in review*). Modeling Energy Balance while Correcting for Measurement Error via Free Knot Splines.

Shook, R. P., Halpin, K., Carlson, J., Davis, A. M., Dean, K., Papa, A., Sherman, A., Noel-MacDonnell, Summar, S., Krueger, G., Markenson, D., & Hampl, S. E. (2017, *in review*). Compliance with multiple national healthy lifestyle recommendations as assessed in a large pediatric center electronic health record is associated with reduced risk of obesity

Shook, R. P., Ross, L., Hand, G. A., Drenowatz, C., Hebert, J. R., Paluch, A. E., O'Connor, D. P., Matthews, C., & Blair, S. N. (2017, *in preparation*). Seasonal variation in physical activity.

Ptomey LT, Steger FS, Lee JH, **Sullivan DK**, Goetz JR, Honas JJ, Washburn RA, Gibson, CA, Donnelly JE. Changes in Energy Intake and Diet Quality Across an 18-month Weight Management Randomized Control Trial in Adults with Intellectual and Developmental Disabilities. Submitted to the Journal of the Academy of Nutrition and Dietetics.

Published Abstracts

Ryan Akin, Daniel Heruth, Shui Qing Ye, Jay M. Portnoy, Christine E. Ciaccio, Min Xiong, and **Charles S. Barnes**. House Dust Bacterial Microbiome in Smoking and Pet Owning Homes. *Journal of Allergy and Clinical Immunology*, 2017 Vol. 139, Issue 2, AB272

Angela R. Lemons, **Charles S. Barnes**, Brett J. Green. Comparative Analysis of Sanger and Illumina Miseq Sequencing for Determining Indoor Fungal Diversity. *Journal of Allergy and Clinical Immunology*, 2017 Vol. 139, Issue 2, AB274

Hani Hadi, Kevin Kennedy, **Charles S. Barnes**, and Marcia A. Chan. An Association Between Indoor Fungal Spore Count, Ethnicity and Socioeconomic Status in Children with Asthma. *Journal of Allergy and Clinical Immunology*, 2017 Vol. 139, Issue 2, AB275

Brooke I. Polk, MD. Christopher Miller. MD. **Charles S. Barnes**. and Paul J. Dowling. Age-Stratified Incidence of Aeroallergen Sensitization in a Pediatric Population. *Journal of Allergy and Clinical Immunology*, 2017 Vol. 139, Issue 2, AB503

Eller OC, Yang X, Maloney MO, **Christianson JA**. Evaluating the impact of early life stress and exercise on elicited migraine in mice. *J. Pain*. 2017; 18(4): S7-8.

Yang X, **Christianson JA**. Organ-specific pelvic hypersensitivity in dams whose litters underwent neonatal maternal separation. *J. Pain*. 2017; 18(4): S8.

Fuentes IM, Pierce AN, Eller-Smith OC, **Christianson JA**. Voluntary wheel running can improve increased urogenital sensitivity and function resulting from neonatal maternal separation in male mice. *J. Pain*. 2017;18(4): S10.

Christianson JA, Wu PY, Yang X, Wright DE. Stress-induced mechanical allodynia and anhedonia in an anxiety-prone mouse strain. *J. Pain*. 2017; 18(4): S25.

Stinson J.N., **Connelly, M.**, Huber, A., Luca, N., Spiegel, LR., Tsimicalis, A., et al. Feasibility testing of an internet-based psychoeducational game for children with Juvenile Idiopathic Arthritis and their parents. *Arthritis Rheumatol*. 2017; 69 (suppl 4).

Szabo-Reed, A. N., Willis, E., **Ptomey, L.**, Washburn, R., & Donnelly, J. (2017). Fitbit And Actigraph: A Comparison Of Physical Activity And Sedentary Time In Overweight/obese Adults. *Medicine & Science in Sports & Exercise*, 49(5S), 366.

Gibson CA, Greene JL, Lowry B, Lee J, Mount R, Alsman K, **Sullivan DK**. Feasibility of a Televideo Nutrition and Physical Activity Intervention for Adult Survivors of Childhood Cancer. *J. Acad Nutr Diet*. 117:A70,2017

Marchello N, **Sullivan DK**, Befort C, Fazzino T, Hamilton-Reeves J, Gibbs H. Diet quality during weight maintenance in rural breast cancer survivors. *J Acad Nutr Diet*. 117:A21, 2017.

Schaufel M, **Sullivan DK**, Goetz-Wiltse J, Gibbs H. Registered dietitians report their training adequacy and use of nutrition-related lab testing. *J Acad Nutr Diet*. 117:A32, 2017.

Posters/Presentations

Beck, A. Weight bias in the pediatric healthcare setting. (2017, October). Invited oral presentation at the Medical Aspects annual conference sponsored by Missouri Children's Division, Kansas City, MO.

Beck, A. "Diversity." (2017, November). Co-presenters, Briana Woods-Jaeger, PhD & Elizabeth Willen, PhD. Invited presentation to Developmental and Behavioral Sciences didactic series for providers and trainees, Kansas City, MO.

Beck, A. "Promoting caregiver wellness." (2017, October). Co-presenter, Chris Sexton, PhD. Invited training at the Black Health Care Coalition Community Baby Shower, Kansas City, MO.

Beck, A. "Promoting caregiver wellness." (2017, August). Co-presenters, Briana Woods-Jaeger, PhD & Beth Woodford, RN, MSN, APRN, CPNP-PC, C-IAYT, RYT-500. Invited oral presentation and professional training at The Family Conservancy Head Start Pre-Service Conference, Kansas City, KS.

Beck, A. "Weight bias in the pediatric healthcare setting." (2017, August). Invited oral presentation at the CM Equity and Diversity Lunch and Learn series (offers CEUs to the local professional healthcare community), Kansas City, MO.

Beck, A. "Motivational interviewing in pediatric obesity." (2017, July). Co-presenter, Donna Holmes, LCSW, LSCSW. Invited oral workshop for all first year medical residents at Children's Mercy, Kansas City, MO.

Beck, A. "Weight bias in the pediatric healthcare setting." (2017, May). Invited oral presentation at Paul Laybourne Symposium on Child Psychiatry, Overland Park, KS.

Beck, A. "Caregiver wellness." (2017, August). Co-presenters, Briana Woods-Jaeger, PhD, Chris Sexton, PhD, & Beth Woodford, RN, MSN, APRN, CPNP-PC, C-IAYT, RYT-500. Invited professional training at St. Mark's United Inner City Services, Kansas City, MO.

Beck, A. "Caregiver wellness." (2017, February). Co-presenters, Briana Woods-Jaeger, PhD, Chris Sexton, PhD, Beth Woodford, RN, MSN, APRN, CPNP-PC, C-IAYT, RYT-500, & Angela Hoffman, LMT, CPMT, RYT 200. Invited professional training at Operation Breakthrough, Kansas City, MO.

Beck, A. "Mental health awareness: Stop the stigma." (2017, January). Invited oral presentation to the student body of North Kansas City High School, Kansas City, MO.

Tripicchio, G.L., Dean, K., **Befort, C.**, & Davis, A.M. (2017, April). Strategies to improve recruitment, retention, and outcomes in a culturally tailored pediatric obesity intervention. Oral presentation at the Society of Pediatric Psychology Annual Conference, Portland, OR.

Befort, C. (2017, May). Patient and provider engagement in community research. Invited oral presentation at University of Memphis meeting Rural Cancer Control; Challenges and Opportunities, Memphis, TN.

Davis, AM, Tripicchio, G, Dean, K, **Befort, C.** (2017, August). Expanding the reach of a pediatric obesity treatment program: A partnership with an underserved medical clinic. Symposium presentation at the American Psychological Association, Washington DC.

Befort, C., Greiner, A., McCrea-Robertson, S., & McKenney, J. (2017, September). Implementation of weight loss programs in rural practice. Oral presentation at the National Rural Health Association Critical Access Hospital and Rural Health Clinic Annual Meeting, Kansas City, MO.

Befort, C. (2017, June). Evidence-based guidelines for behavioral obesity treatment. Invited oral presentation at the Kansas Academy of Family Physician Annual Meeting, Wichita, KS.

Befort, C., Greiner, A., Enoch, B., & Sutton, S. (2017, June). Practice-based Research Network: RE-POWER and KEPPR. Invited panel presentation at the Kansas Academy of Family Physician Annual Meeting, Wichita, KS.

Hunter, R.L. & **Befort, C.** (2017, March). Body image changes in breast cancer survivors during a weight maintenance intervention. Poster presented at the Society of Behavioral Medicine Annual Meeting, San Diego, CA.

Catley, D., Puoane, T.R., Oldenburg, B., **Befort, C.**, & Resnicow, K. (2017, March). Translating lifestyle interventions for reducing cardiometabolic risk in vulnerable and disadvantaged populations. Symposia presentation at the Society of Behavioral Medicine, San Diego, CA.

Befort, C. Implementing behavioral obesity treatment in rural primary care: The RE-POWER comparative effectiveness trial. Also oral presentation at the Society of Behavioral Medicine, San Diego, CA (2017, March).

Kimler, B., Nydegger, J., Kreutzjans, A., Phillips, T., Powers, K., Klemp, J., Sullivan, D., **Befort, C.**, Carlson, S., Hursting, S., Fabian, C. (2017, April). Modulation of adiponectin and leptin levels in obese post-menopausal women after 6 months of a structured weight loss intervention, randomized to placebo or supplemental omega-3 fatty acids. Poster presented at the American Association for Cancer Research Annual Meeting, Washington, DC.

Watts, A., Bevan, A., Breda, A., **Befort, C.**, Thyfault, J., & Gardiner, P. A., (2017, June). Reducing sedentary time in mild cognitive impairment: A pilot study. Poster presented at the annual meeting of the International Society for Behavioral Nutrition and Physical Activity, Victoria, BC, Canada.

Bradley-Ewing, A., Newland, J., Myers, A., Bickford, C., Ramphal, A., Pina, K., Delay, K., Hurley, E., Schlachter, S., Lee, B., Goggin, K. (2017, Nov.). *Engaging English and Spanish speaking members of a Community Advisory Board in the development and translation of an intervention to improve parent-provider antibiotic communication.* Poster presented at the 145th Annual Meeting and Scientific Session of the American Public Health Association, Atlanta, GA.

Catley, D., Fox, A., Stortz, S., Moreno, J.L., **Bradley-Ewing, A.**, Harris, K.J., Goggin, K., & Richter, K. (2017, June) *MI vs. Health Education: Two pathways to change?* Presentation at the 2017 International Conference on Motivational Interviewing, Philadelphia, PA.

Myers, A.L., Newland, J., **Bradley-Ewing, A.**, Bickford, C., Delay, K., Ramphal A., Pina, K., Lee, B., Schlachter, S., Weltmer, K., Yu, D., & Goggin K. (2017, January). Pediatric Outpatient Antibiotic Prescribing and Overview of Parent-Provider Education and Communication “Let’s Talk About Antibiotics.” Presented at the University of Kansas Continuing Education Webinar Series, Kansas City, KS.

*denotes student author

Ha, O.-R., **Bruce, A. S.**, Killian, H., Francisco, A., Bruce, J. M., & Lim, S.-L. (2017, October). *The Impact of Food Advertising Literacy on Children’s Food and Brand Logo Decision-Making*. Poster session will be presented at the Cognitive Development Society Bi-Ennial Conference, Portland, Oregon.

Ha, O.-R., **Bruce, A. S.**, Bruce, J. M., & Lim, S.-L. (2017, October). *Self-Control and Food Attitudes in Children*. Poster session will be presented at the Cognitive Development Society Bi-Ennial Conference, Portland, Oregon.

Avoidance and disease modifying treatment (re)initiation among MS patients. (2017, March). *Schoor, R., Bruce, J.M., **Bruce, A.S.**, Goggin, K., Chanfarber, B., Bradley-Ewing, A., Thelen, J., Glusman, M., Lynch, S.G., Strober, L, Catley, D. Poster at Society for Behavioral Medicine.

*Francisco, A.J., Bruce, J.M., Lim, S-L., Jarmolowicz, D.P., **Bruce, A.S.** (2017). Reduced altruism during decision making in vaccine hesitant individuals. Poster at *Social and Affective Neuroscience*. Los Angeles, California.

†denotes published abstract

Oral and invited presentations are underlined

*Pona, A., Dreyer Gillette, M., **Carlson, J.A.**, Sweeney, B., & Hampl, S. (2017). Predictors of cardiometabolic risk in pediatric weight management family behavioral interventions. Poster presentation at the Annual Meeting of The Obesity Society. October 29-November 2, Washington, DC.

Carlson, J.A. (2017, June). Using data science to advance assessment of physical activity and sedentary behavior for public health. Invited presentation at the Frontiers of Large-Scale Data Analytics: Fairness, Transparency, Interpretability, Robustness, and Security. Lawrence, KS.

Hampl, S.E., Dean, K., Papa, A., Sweeney, B.R., **Carlson, J.A.**, & Shook, R. (2017, May). Demographic and Behavioral Correlates of Weight Status by Geographic Area in Primary Care. Poster presentation at the Annual Meeting of the Pediatric Academic Society Conference. San Francisco, CA.

†Warren, M., Pona, A., **Carlson, J.A.**, Shook, R., Dreyer Gillette, M., & Davis, A. (2017, April). Effects of Pediatric Diet and Physical Activity on Weight Loss. Poster presentation at the Annual Health Sciences Student Research Summit at the University of Missouri, Kansas City, Kansas City, MO.

†Pona, A., **Carlson, J.A.**, Shook, R., Dreyer Gillette, M., & Davis, A. (2017, March). Maternal BMI Change Linked to Child Activity Change in Family-Based Behavioral Interventions for Pediatric Weight Management. Poster presentation at the Annual Meeting of the Society of Behavioral Medicine. San Diego, CA.

†Bejarano, C., **Carlson J.A.**, Conway T., Saelens B., Glanz, K., Couch, S., Cain, K., & Sallis, J. (2017, March). Examining activity and diet as mediators of the relationship between TV time and BMI in youth. Poster presentation at the Annual Meeting of the Society of Behavioral Medicine. San Diego, CA.

*Garcia, A., **Carlson, J.A.**, Saelens, B.E., Kerr, J., Conway, T.L., Frank, L.D., Glanz, K., Cain, K., & Sallis, J.F. (2017, March). Differences in and correlates of home, school, and non-school sedentary time. Poster presentation at the Society of Pediatric Psychology Annual Conference. Portland, OR.

Carlson, J.A., Mitchell, T., Borner, K., Saelens, B., Kerr, J., Conway, T., Frank, L., & Sallis, J. (2017, February). How important are neighborhood activity and walking trips for overall physical activity in young adolescents? Evidence from GPS. Oral presentation at the Annual Meeting of Active Living Research. Clearwater Beach, FL.

Evangeli, M., Hogan, A., **Catley, D.**, & Goggin, K. (2017, November). Mechanisms of motivational interviewing in HIV medication adherence. Abstract to be presented at the AIDS Impact Conference, Cape Town, South Africa.

Pona, A., Randell, K., Sweeney, B., **Catley, D.**, & Davis, A. (2017, November). Parent adverse childhood experiences in pediatric weight *management*. Poster to be presented at the annual meeting of The Obesity Society, Washington, DC.

Puoane, T. R., **Catley, D.**, Goggin, K., Tsolekile, L., Resnicow, K.R., Fleming, K., & Rasu, R. (2017, April) DPP: Adaptation for the Developing World. Presentation at the 2017 Chronic Disease Initiative for Africa Annual Network Meeting, Cape Town, South Africa.

Pérez-Rosas, V., Mihalcea, R., Resnicow, K., Singh, S., An, L., Goggin, K.J., & **Catley, D.** (2017, April). Predicting counselor behaviors in Motivational Interviewing encounters. Paper presented at the 15th European Chapter of the Association for Computational Linguistics Conference, Valencia, Spain.

*Schoor, R., Bruce, J., Bruce, A., Goggin, K., Schanfarber, B., Bradley-Ewing, A., Thelen, J., Glusman, M., Lynch, S.G., Strober, L., **Catley, D.** (2017, March). Avoidance and Disease Modifying Treatment (re)initiation among MS patients. Poster presented at the 38th Annual Meeting of the Society of Behavioral Medicine, San Diego, CA.

Catley, D. (Chair), Oldenburg, B., Puoane, T.R., & Befort, C. (2017, March). Translating lifestyle interventions for reducing cardiometabolic risk in vulnerable and disadvantaged populations. Symposium conducted at the 38th Annual Meeting of the Society of Behavioral Medicine, San Diego, CA.

Puoane, T. R., Goggin, K., Tsolekile, L., Resnicow, K.R., Fleming, K., Rasu, R. **Catley, D.** (2017, March). Adapting the U.S. National Diabetes Prevention Program for the Developing World. In **D. Catley** (Chair), Translating lifestyle interventions for reducing cardiometabolic risk in vulnerable and disadvantaged populations. Symposium conducted at the 38th Annual Meeting of the Society of Behavioral Medicine, San Diego, CA

*Booker, A., Berkley-Patton, J., Bennett, K., **Catley, D.**, Bowe-Thompson, C., Lister, S., & Christensen, K. (2017, April). Healthy diets in the African American Community: Applying the Theory of Planned Behavior in Faith-Based Settings. Poster presented at the Annual Meeting & Scientific Sessions of the Society of Behavioral Medicine, San Diego, CA.

* Fox, A. T., **Catley, D.**, Brucks, M. G., Papa, V. B., & Martin, L. E. (2017, April). Functional neuroimaging of behavioral smoking cessation treatment: Preliminary findings. Poster presented at the Annual Meeting & Scientific Sessions of the Society of Behavioral Medicine, San Diego, CA.

Catley, D., Fox, A., Stortz, S., Moreno, J.L., Bradley-Ewing, A., Harris, K.J., Goggin, K., & Richter, K. (2017, June) *MI vs. Health Education: Two pathways to change?* Invited presentation at the 2017 International Conference on Motivational Interviewing, Philadelphia, PA.

Catley, D., Puoane, T. R., Goggin, K., Tsolekile, L., Resnicow, K.R., Fleming, K., & Rasu, R. (2017, April) *Can a proven behavioral intervention be used to address the developing world obesity epidemic?* Invited presentation at the 2017 Health Psychology Innovations Conference, Wanaka, New Zealand.

Chrisman, M., Ye, S. (2017, December) Knowledge, Awareness, and Confidence for Using Myplate Guidelines in the Schools: The MENU-KC Study of Teachers and Principals. Poster presented at the UMKC Faculty Research Symposium, Kansas City, MO.

Lightner, J, Irwin, B, **Chrisman, M.** (2017, December) Changes in Social Integration Predict Changes in Physical Activity: A Prospective Study. Poster presented at the UMKC Faculty Research Symposium, Kansas City, MO.

Grimes, A, **Chrisman, M.** (2017, December) Associations between Biking, Balance, and Health among 50+. Poster presented at the UMKC Faculty Research Symposium, Kansas City, MO.

Grimes, A, **Chrisman, M.** (2017, December) Barriers and Facilitators to Bicycling Among Adults 50+. Poster presented at the UMKC Faculty Research Symposium, Kansas City, MO.

Chrisman, M. (2017, December) MyPlate education and nutrition in the schools in KC (MENU-KC Study). Invited oral presentation at the Center for Children's Healthy Lifestyles and Nutrition, Kansas City, MO.

Grimes, A, **Chrisman, M.** (2017, October) Presented at the Heartland Health Conference on Equity and Patient-Centered Care, Overland Park, KS.

Grimes, A., **Chrisman, M.** Presented at the Heartland Health Conference on Equity and Patient-Centered Care, Overland Park, KS, October 2017.

Lightner, J, Irwin, B, **Chrisman, M.** Changes in social integration predict changes in physical activity: A prospective study. Presented at the Heartland Health Conference on Equity and Patient-Centered Care, Overland Park, KS, October 2017.

Christianson JA. Maternal separation as a model of stress-induced bladder dysfunction. SUFU 2017 Winter Meeting, Society of Urodynamics, Female Pelvic Medicine & Urogenital Reconstruction. Scottsdale, AZ. Feb 28-Mar 4, 2017. Invited oral presentation.

Christianson JA. The lasting consequences of early life stress or insult. 18th Annual Fall Scientific Meeting of SMSNA. Sexual Medicine Society of North America, Inc. San Antonio, TX. October 26-29, 2017. Invited keynote speaker, Basic Science Symposium.

Christianson JA, Wu P, Yang X, Wright DE. Investigation of a preclinical model of interstitial cystitis/painful bladder syndrome using foot shock stress exposure in an anxiety-prone mouse strain. Poster 30. 2017 International Pelvic Pain Society and 3rd World Congress of Abdominal and Pelvic Pain. Washington, D.C.: International Pelvic Pain Society, 2017. Online.

Eller-Smith OC, Yang X, **Christianson JA.** Investigating the effect of stress and exercise in models of elicited headache pain in mice. Program No. 579.01. 2017 Neuroscience Meeting Planner. Washington, D.C.: Society for Neuroscience, 2017. Online.

Wu P, Yang X, Wright DE, **Christianson JA.** Stress-induced mechanical allodynia, bladder hypersensitivity and anhedonia in an anxiety-prone mouse strain. Program No. 768.08. 2017 Neuroscience Meeting Planner. Washington, D.C.: Society for Neuroscience, 2017. Online.

Christianson JA “The painful consequences of stress” University of New England, Center for Excellence in the Neurosciences, Department of Biomedical Sciences, Research Seminar Series, Biddeford, ME, July 27, 2017.

Anderzén J, Hermann JM, Samuelsson U, Charalampopoulos D, Svensson J, Skrivarhaug T, Froelich-Reiterer E, Maahs DM, Åkesson K, Kapellen T, Fritsch M, Birkebaek N, Drivvoll AK, Miller K, Stephenson T, Hofer SE, Fredheim S, Kummernes SJ, Foster N, Amin R, Hilgard D, Rami-Merhar B, Dahl-Jørgensen, **Clements M**, Hanas R, Holl RW. International benchmarking in type 1 diabetes: HbA1c increases equally with age, independent of HbA1c at younger age. Oral presentation, 43rd Annual Conference of the International Society of Pediatrics and Adolescent Diabetes, Innsbruck, Austria, October 18-21, 2017.

DeSalvo D, Miller K, Hermann J, Maahs D, Hofer S, **Clements M**, Lilenthal E, Sherr J, Tauschmann M, Holl R for the T1D Exchange and DPV Registries. The Continuous Glucose Monitoring (CGM) and Glycemic Control Among Youth with Type 1 Diabetes (T1D): International comparison from the T1D Exchange (T1DX) and the DPV Initiative. Oral presentation, 43rd Annual Conference of the International Society of Pediatrics and Adolescent Diabetes, Innsbruck, Austria, October 18-21, 2017. **To be presented by M Clements.*

Lyons S, Boyle C, DeSalvo D, Rickels M, Miller K, Foster N, **Clements M**, The T1D Exchange Clinic Network. The Dyslipidemia and statin use in adolescents and young adults in the T1D Exchange Clinic Registry. Oral presentation, 43rd Annual Conference of the International Society of Pediatrics and Adolescent Diabetes, Innsbruck, Austria, October 18-21, 2017.

Patton S, Noser A, Marker A, Calkins A, Nelson EL, **Clements M**. Reducing hypoglycemia fear in parents of young kids with type 1 diabetes (T1D) using video-based telemedicine: preliminary findings from REDCHiP. Oral Presentation, 43rd Annual Conference of the International Society of Pediatrics and Adolescent Diabetes, Innsbruck, Austria, October 18-21, 2017.

Noser A, Driscoll K, **Clements M**, Patton S. “Target is the new low”: Parental hypoglycemia fear and young child glycemic control in T1D. ePoster presentation, 43rd Annual Conference of the International Society of Pediatrics and Adolescent Diabetes, Innsbruck, Austria, October 18-21, 2017.

Noser A, Driscoll K, **Clements M**, Patton S. Examining a Four-Factor Structure of the Fear of Hypoglycemia Survey for Parents of Young Children (HFS-PYC). ePoster presentation, 43rd Annual Conference of the International Society of Pediatrics and Adolescent Diabetes, Innsbruck, Austria, October 18-21, 2017.

Marker A, Noser A, Majidi S, **Clements M**, Youngkin E, Patton S. Helplessness and fear of negative social evaluations differentially predict parental distress and depression risk in recently diagnosed youth with type 1 diabetes (T1D). ePoster presentation, 43rd Annual Conference of the International Society of Pediatrics and Adolescent Diabetes, Innsbruck, Austria, October 18-21, 2017.

Marker A, Noser J, Finch S, Majidi S, **Clements M**, Patton S. Parent depression and hemoglobin A1c (A1c) in youth new to type 1 diabetes (T1D). ePoster presentation, 43rd Annual Conference of the International Society of Pediatrics and Adolescent Diabetes, Innsbruck, Austria, October 18-21, 2017.

Clements M, Hermann JM, Charalampopoulos D, Svensson J, Hanas R, Maahs DM, Åkesson K, Warner J, Holl RW, Birkebaek N, Drivvoll A, Miller K, Svensson A, Stephenson T, Hofer S, Fredheim S, Janne S, Kummernes S, Foster N, Hanberger L, Amin R, Rami-Merhar B, Johansen A, Dahl-Jørgensen K, Skrivarhaug T. International benchmarking of HbA1c in pediatric type 1 diabetes (T1D): comparison of target achievement by country and center. Poster, American Diabetes Association 77th Scientific Sessions, San Diego, CA June 9-13, 2017.

Davis AK, Evans-Molina C, Connor CG, Hao W, Nadeau KJ, **Clements MA**, Sherr JL, Hannon T, Pratley RE, Miller KM, Greenbaum CJ, Rickels MR for the T1D Exchange Beta-Cell Function Study Group. More than just measurable peptides: describing the physiologic importance of residual C-peptide through β -cell responsivity in type 1 diabetes. Poster, American Diabetes Association 77th Scientific Sessions, San Diego, CA June 9-13, 2017.

Paprocki E, Patton S, Staggs V, and **Clements M**. Insulin pump adherence behaviors do not correlate with glycemic variability. Poster, American Diabetes Association 77th Scientific Sessions, San Diego, CA June 9-13, 2017.

Patton S, Noser A, Raymond J, Majidi S, **Clements M**. Family conflict predicts HbA1c across six months in 5-9 year-olds who are new to type 1 diabetes. Poster, American Diabetes Association 77th Scientific Sessions, San Diego, CA June 9-13, 2017.

Hermann JM, Miller KM, Hofer SE, **Clements MA**, Karges W, Foster NC, Fröhlich-Reiterer E, Rickels MR, Holl RW, Maahs DM, DPV Initiative, T1D Exchange Registry. International comparison of HbA1c across life span in males and females with type 1 diabetes. Poster, American Diabetes Association 77th Scientific Sessions, San Diego, CA June 9-13, 2017.

Huerta-Saenz L, Delurgio S, Knecht N, Williams D, Patton S, **Clements M**. Dietary quality, nutrition, and healthy eating knowledge measured by the Youth Adolescent Questionnaire and the revised NutriCarb Quiz in youth with type 1 diabetes. Poster, Midwest Society for Pediatric Research Annual Meeting, Chicago, IL September 22-23, 2016.

Padman R, Chouldechova A, Diwakar IB, **Clements MA**. Predictive analytics for diabetic keto-acidosis (DKA) using features extracted from asynchronous multivariate data streams. Oral Presentation, iHealth 2017 Clinical Informatics Conference, Philadelphia, PA, May 2017.

Clements MA "Listening" to the stories that Big Data Tell: Using Type 1 Diabetes Data Past and Present, 04/26/17, Stanford University, Palo Alto, CA

Clements MA Predictive analytics in pediatric type 1 diabetes, 05/21/17, Icahn School of Medicine, Mount Sinai, New York City, NY

Clements MA Mobile Technologies for Data Collection, American Diabetes Association 77th Scientific Sessions, San Diego, CA, 6/9/17

Clements MA Type 1 diabetes care in children, 5/28/17, Zhengzhou Children's Hospital, Zhengzhou, China

Clements MA "Listening" to the stories that Big Data Tell: Using Type 1 Diabetes Data Past and Present, 5/31/17, Zhengzhou Children's Hospital, Zhengzhou, China

Clements MA "Listening" to the stories that Big Data Tell: Using Type 1 Diabetes Data Past and Present, 6/04/17, The Third Xiangya Hospital of Central South University, Changsha, China

Clements MA Multiple Daily Injection (MDI) Basics, 03/29/17; Fourth Annual Endocrine Fellows Series: Type 1 Diabetes Care and Management Program Conference, Orlando, FL

Connelly, M., Bickel, J. Toward improving the system of pediatric migraine care in the community through targeted education and technology: the HAPPY project. Poster presented at the 46th Annual Meeting of the Child Neurology Society, Kansas City, MO, October 4-7, 2017.

Connelly, M. Self-management technology for youth with JIA. Invited oral presentation for the Pediatric Rheumatology Symposium (PRSYM), Houston, Texas, May 17-20, 2017.

Stinson, J., Huber, A., **Connelly, M.**, Luca, N., Spiegel, L., Tsimicalis, A., et al. Feasibility testing of an internet-based psycho-educational game for children with Juvenile Idiopathic Arthritis and their Parents. Poster presented at the Pediatric Rheumatology Symposium (PRSYM), Houston, TX, May 17-20, 2017.

Bejarano, C. M.*, Noser, A. E.*, **Cushing, C. C.**, & Monzon, A. D.* An EMA study of sleep, affect, and palatable food consumption in adolescents. Society of Pediatric Psychology Annual Conference 2017, Portland, Oregon.

Kichline, T.*, **Cushing, C. C.**, Schurman, J. V., Blossom, J. B.*, & Friesen, C. A. Using ecological momentary assessment to examine relations between pain fear, pain avoidance, and pain intensity in children with functional gastrointestinal disorders. Society of Pediatric Psychology Annual Conference 2017, Portland, Oregon.

Monzon, A. D.*, **Cushing, C. C.**, Mitchell, T. B.*, & Bejarano, C. *M. Sleep and affect: Does getting more sleep really improve mood? Society of Pediatric Psychology Annual Conference 2017, Portland, Oregon.

Schurman, J. V., **Cushing, C. C.**, Blossom, J. B.*, Kichline, T.*, & Friesen, C. A. Precision medicine in pediatric functional gastrointestinal disorders: Individualized assessment for tailored treatment. Society of Pediatric Psychology Annual Conference 2017, Portland, Oregon.

Sweenie, R., **Cushing, C. C.**, Prabhakaram, S., Baker, D., & Fedele, D. A. (2017, January). Examination of family environment, stress, and health disparities in youth with asthma. University of Florida Diversity Day, Gainesville, FL.

Davis, A. (February 2017). Assessment of readiness for initiating the wean and psychological aspects of the weaning process. In "Tube in or tube out: Practical points to think about," podium session presented at Clinical Nutrition Week 2017, the annual meeting of the American Society of Parenteral and Enteral Nutrition, Orlando, FL.

Tripicchio, GL, Dean, K, Befort, C, **Davis, AM.** (March 2017). Strategies to improve recruitment, retention, and outcomes in a culturally tailored pediatric obesity intervention. In "Culturally responsive assessments and interventions to address pediatric obesity: A collaborative symposium of the diversity and obesity SIGs." Podium session presented at the Society of Pediatric Psychology Annual Conference, Portland, OR.

Davis, AM, Tripicchio, G, Dean, K, Befort, C. (August 2017). Expanding the reach of a pediatric obesity treatment program: A partnership with an underserved medical clinic. In "Expanding the Reach of Behaviorally Based Pediatric Obesity Intervention Programs." Symposium presentation at the American Psychological Association, Washington DC.

Wambach, K., **Davis, A.**, & Nelson, E. (April, 2017). The momHealth Feasibility Study. Poster presentation, Midwest Nursing Research Society Annual Conference, Mpls., MN.

Warren, M., Pona, A., Carlson, J.A., Shook, R., Dreyer Gillette, M., & **Davis, A.** (2017). Effects of Pediatric Diet and Physical Activity on Weight Loss. Poster presentation at the 2017 Annual Health Sciences Student Research Summit at the University of Missouri, Kansas City. April 26, Kansas City, MO.

Lopez M, **Davis AM**, Warren MB, Clements M, McCulloh RJ. Provider-reported barriers to pediatric clinical trials participation in Kansas. Poster presented at the Academic Pediatric Association Region 6 Meeting 2017, September 8-9; Omaha, NE

Delahunt, J.Z. & Mische-Lawson, L. (2017, April). Relationships between Adolescent BMI, Physical Activity and Sensory Processing Patterns. Poster presented at the 97th Annual Conference of the American Occupational Therapy Association, Philadelphia, PA.

Coffelt, K.J., **Delahunt, J.Z.**, Ditzfeld, J., Joyce, M., Keith, K., & Probst, B. (2017, April). Exploring the Impact of Pressure Garments on School Participation. Poster presented at the 97th Annual Conference of the American Occupational Therapy Association, Philadelphia, PA.

Doss, H. Obesity, Dec 2017, Continuity Care Clinic Lecture, Children's Mercy Hospitals and Clinics, Kansas City, MO.

Pona, A., **Dreyer Gillette, M., Carlson, J., Sweeney, B., & Hampl, S.** (2017, November). Predictors of Cardiometabolic Risk in Pediatric Weight Management Family Behavioral Interventions. Poster presented at The Obesity Society annual meeting in Washington, DC.

Garcia, A.M., **Dreyer Gillette, M.**, Stough, C.O., & **Patton, S.R.**, (2017, October). Do mealtime behavior problems vary by weight status among children with Autism Spectrum Disorder (ASD)? Poster presented at the Society for Developmental and Behavioral Pediatrics annual meeting in Cleveland, OH.

Garcia, A.M., **Dreyer Gillette, M.**, Stough, C.O., & **Patton, S.R.** (2017, October). Does it fit? The psychometric properties of the Brief Autism Mealtime Behavior Inventory (BAMBI). Poster presented at the Society for Developmental and Behavioral Pediatrics annual meeting in Cleveland, OH.

Pona, A., **Carlson, J., Shook, R., Dreyer Gillette, M., & Davis, A.** (2017, March). Maternal Bmi Change Linked to Child Activity Change in Family-based Behavioral Interventions for Pediatric Weight Management. Poster presented at the Society for Behavioral Medicine Annual Conference in San Diego, CA.

Cadioux, A., Dreyer Gillette, M., Sallinen Gaffka, B., Shaffer, L., & Sweeney, B. (October, 2017). One size doesn't fit all: Practical and Ethical considerations in adapting evidenced based weight management interventions for children with disabilities. Concurrent session presented at the meeting of the Society of Developmental and Behavioral Pediatrics, Cleveland, OH.

Ievers-Landis, C. E., Stein, R.E.K., Kralovic, S., & **Dreyer Gillette, M.L.**, (October, 2017). How to do clinical research: Lessons from the field. Concurrent session presented at the meeting of the Society of Developmental and Behavioral Pediatrics, Cleveland, OH.

Edwards, S., (September, 2017). "A Multidisciplinary Approach to Increasing Awareness of Enteral Nutrition in the Pediatric Patient: A Provider and Parent Perspective". American Society for Parenteral and Enteral Nutrition Malnutrition Awareness Week Webinar.

Edwards, S., (August, 2017). "Feeding the Young Child". A Multidisciplinary Approach to Assessment and Treatment of Pediatric Feeding Disorders Conference, Wichita, KS.

Edwards, S., (February, 2017). "How Do We Know They Are Ready: Evaluation and Implementation of Feeding Tube Weaning". Clinical Nutrition Week – American Society for Parenteral and Enteral Nutrition, Orlando, FL.

Forsha, D., (June 2017). Echo assistance in heart failure session. Presenter: Cardiac resynchronization therapy: Before, During, and After. American Society of Echocardiography Scientific Sessions, Baltimore, MD.

Forsha, D., (June, 2017). Participant: Echo Jeopardy. American Society of Echocardiography Scientific Sessions. Baltimore, MD.

Grundberg, E. Epigenomics of Common Diseases conference, Nov 2017, Cambridge, UK [INVITED]

Grundberg, E. 7th International Workshop on Genomic Epidemiology, Sept 2017, Barcelona, Spain [INVITED]

Grundberg, E. 2017 Annual International Genetic Epidemiology Society (IGES) Meeting, Sept 2017, Cambridge, UK [INVITED]

Halpin K, Noel-MacDonnell J, McDonough R, Yan Y. Patient Portals May Improve Communication, but Do They Widen the Health Disparities Gap? International Meeting of Pediatric Endocrinology Poster Session, Washington D.C, Sept 14-17, 2017.

Halpin K, Noel-MacDonnell J, Yan Y. Health Disparities in Insulin Resistant Youth Referred for Pediatric Endocrine Evaluation. American Diabetes Association Poster Session. San Diego, CA, June 9-13, 2017.

Halpin K, Boyd J, McDonough R, Musick T, Cernich J. Using the EHR to Improve Dyslipidemia Screening and Management in Pediatric T2D. American Diabetes Association Poster Session. San Diego, CA, June 9-13, 2017.

Halpin K, Heckert L, Dai H, Moser C, Jacobson JD. Bone Age Advancement in Gender Dysphoria Patients. Endocrine Society Poster Session. Orlando, FL, Apr 1-4, 2017.

Jacobson JD, Dai H, Moser C, Turpin A, Garg U, **Halpin K**, Staggs V, Heckert L. Elevations in Adrenal Androgens and Progestogens in Female to Male Transgender Patients. Late Breaking Endocrine Society Poster Session. Orlando, FL, Apr 1-4, 2017.

Williams J, **Halpin K**, Boyd J, Moore W. Two Sisters, Two Heights: IGF-1 Receptor Translocation Causing Growth Abnormalities in Two Biological Sisters. Endocrine Society Poster Session. Orlando, FL, Apr 1-4, 2017.

Pona, A., Dreyer Gillette, M., Carlson, J., Sweeney, B., & **Hampel, S.** (November, 2017). Predictors of cardiometabolic risk in pediatric weight management family behavioral interventions. Poster at the annual meeting of The Obesity Society, Washington, DC.

Halpin K, Noel-MacDonnell J, McDonough R, Yan Y. Patient Portals May Improve Communication, but Do They Widen the Health Disparities Gap? Great Plains Pediatric Endocrine Symposium Poster Session. Kansas City, MO, Oct 5-6, 2017.

Halpin K, Noel-MacDonnell J, Yan Y. Health Disparities in Insulin Resistant Youth Referred for Pediatric Endocrine Evaluation. Great Plains Pediatric Endocrine Symposium Poster Session. Kansas City, MO, Oct 5-6, 2017.

Halpin K, Heckert L, Dai H, Moser C, Jacobson JD. Bone Age Advancement in Gender Dysphoria Patients. Endocrine Society Poster Session Great Plains Pediatric Endocrine Symposium Poster Session. Kansas City, MO, Oct 5-6, 2017.

Williams J, **Halpin K**, Boyd J, Moore W. Two Sisters, Two Heights: IGF-1 Receptor Translocation Causing Growth Abnormalities in Two Biological Sisters. Great Plains Pediatric Endocrine Symposium Poster Session. Kansas City, MO, Oct 5-6, 2017

Halpin K, Heckert L, Dai H, Moser C, Jacobson JD. Bone Age Advancement in Gender Dysphoria Patients. Children's Mercy Research Days Poster Session. Kansas City, MO, May 24, 2017.

Halpin K, Noel-MacDonnell J, Yan Y. Health Disparities in Insulin Resistant Youth Referred for Pediatric Endocrine Evaluation. Children's Mercy Research Days Poster Session. Kansas City, MO, May 24, 2017.

Halpin K, Boyd J, McDonough R, Musick T, Cernich J. Using the EHR to Improve Dyslipidemia Screening and Management in Pediatric T2D. 4th Annual Vijay Babu Rayudu Quality and Patient Safety Day Poster Session. Kansas City, MO, May 12, 2017.

Hampf S, Dean K, Papa A, Summar S, Sweeney B, Shook R, Carlson J (May, 2017). Demographic and behavioral correlates of weight status by geographic area in primary care poster presentation at the Pediatric Academic Societies Annual Meeting, San Francisco, CA.

Hampf SE (2017). Introduction to Childhood Obesity and PCP Resources. Project ECHO TeleECHO clinic presentation for Children's Hospital and Medical Center, Omaha, NE.

Hampf SE (2017). Childhood Obesity and MO HealthNet Treatment Benefit. Center for Children's Healthy Lifestyles & Nutrition and pediatric primary care offices, Kansas City, MO.

Hampf SE (2017). MO Childhood Obesity Advocacy Update. Center for Children's Healthy Lifestyles & Nutrition, Kansas City, MO.

Hampf SE (2017). Office-based management of children who are overweight. Children's Mercy Integrated Pediatric Network Learning Collaborative, Kansas City, MO.

Herda, T. Muscle composition and neuromuscular performance: Implications for Childhood Obesity. University of Kansas Medical Center. School of Health Professions. Kansas City, KS, 2017.

Hoffart, C. *Pain, Pain, Go Away: Diagnosing and Managing Amplified Pain in Children*. 2018 AAP National Conference, Orlando, FL. 11/2018. [Anticipated]

Hoffart, C. *Chronic Pain in Pediatrics Panel*. Kansas AAP Chapter. Lawrence, KS. 04/2018. [Anticipated]

Hoffart, C. *Chronic pain in children*. Pain Out Loud video podcast with Melissa Cady, DO. 12/11/17

Hoffart, C. *Inflammation or Pain: Common complaint or room for Rheum*. Society for Pediatric Urgent Care, Seattle, WA. 10/2017

Hoffart, C. *For these teens, the only way to overcome pain is to face it*. WHYY The Pulse Podcast & Web article with Elana Gordon. 10/27/17.

Hull, H. Interventions to prevent excessive gestational weight gain. Presented to the Center for Healthy Lifestyles and Nutrition, March 24, 2017, Kansas City, MO.

Hull, H. Eating a rainbow colored diet. Presented to the Mission Trail Elementary School, April 13th, 2017, Leawood, KS.

Hull, H. Consumption of a high dietary fiber diet to prevent excessive gestational weight gain. Presented at the KUMC Faculty Research Day, November 8th, 2017, Kansas City, KS.

Kreisler K, Young, Donna, Warlen Leslie, Tresvan Frieda. (2017, September) "Community Collaboration to Improve Lead Screening in an Early Head Start Program" Presented at American Academy of Pediatrics 2017 National Conference & Exhibition, Chicago, IL, (Published Abstract)

Kreisler, K, "Caring for Children in Immigrant Families." (2017, October) Kansas Chapter American Academy of Pediatrics Progress in Pediatrics.

Kreisler, K, (2017, November) "Community Collaboration to Improve Lead Screening in an Early Head Start Program" Pediatric Lead Poisoning Prevention Summit.

Durden J, Williams D, **McCulloh RJ.** (2017, September) Incomplete vs. Complete Testing for HSV in Febrile Neonates. Poster presented at the Academic Pediatric Association Region 6 Meeting, Omaha, NE.

Lopez M, **Davis AM,** Warren MB, **Clements M, McCulloh RJ.** (2017, September) Provider-reported barriers to pediatric clinical trials participation in Kansas. Poster presented at the Academic Pediatric Association Region 6 Meeting, Omaha, NE.

Waddell J, McCulloh R, Goldman J, Lee B, Teachout W. (2017, October) Comparative Analysis of Initial Antibiotic Dosing among Healthy Weight, Overweight, and Obese Children with Osteomyelitis. Poster presented at IDWeek™, San Diego, CA.

Neubauer HC, Hall M, Wallace S, Cruz AT, Queen MA, Foradori D, Aronson P, Markham J, Nead J, Hester G, **McCulloh R,** Lopez M. (2017, July) Variation in care and outcomes of hospital children with *staphylococcal* scalded skin syndrome. Poster presented at the Pediatric Hospital Medicine Conference, Nashville, TN.

Markham JL, Hall M, Queen MA, Aronson PL, Wallace SS, Foradori DM, Hester G, Nead J, Lopez MA, Cruz AT, **McCulloh R.** (2017, July) Variation in Antibiotic Use and Clinical Outcomes in Infants <60 days Hospitalized with Skin and Soft Tissue Infections. Poster presented at the Pediatric Hospital Medicine Conference, Nashville, TN.

McCulloh R, Feldman E, Tieder J, Aronson P, Nigrovic L, Lee B, Williams D, Neuman M, Leazer R, Balamuth F, Blackstone M, Marble R, Browning W, Kroman R, Myers A, on behalf of the Febrile Infant Collaborative. (2017, July) Factors associated with initial UTI diagnosis in febrile infants in the ED. Poster presented at the Pediatric Hospital Medicine Conference, Nashville, TN.

Yin DE, Adbel-Rahman S, Van Haandel L, **McCulloh RJ,** Steinbach WJ, Leeder JS. (2017, June) Variability of Posaconazole Pharmacokinetics in Children following Intravenous Administration. Oral presentation at ASM Microbe 2017, the combined American Society for Microbiology General Meeting and Interscience Conference on Antimicrobial Agents and Chemotherapy, New Orleans, LA.

McCulloh R, Fouquet S, Kennedy B, Biondi E, Sun F, Dittrich A, Nelson K, Herigon J, Newland J. (2017, May) Development and Implementation of an electronic decision support tool as part of a national practice standardization project. Poster presented at the Pediatric Academic Societies (PAS), San Francisco, CA.

Doan S, DePorre A, **McCulloh R.** (2017, May) Characteristics and clinical outcomes of young febrile infants with EV and RSV infection re-evaluated within 14 days of ED or hospital discharge. Poster presented at the Pediatric Academic Societies (PAS), San Francisco, CA.

Masonbrink AR, Mermelstein S, Hunt JA, Walker JM, Stancil SL, Hornberger LL, Goggin K, **McCulloh RJ**, Reid KJ, Miller MK. (2017, May) Adolescent reproductive health: views and practices of pediatric hospitalists. Poster presented at Pediatric Academic Societies (PAS), San Francisco, CA.

Markham JL, Hall M, Queen MA, Aronson PL, Wallace SS, Forador DM, Hester G, Nead J, Lopez MA, Cruz AT, **McCulloh RJ**. (2017, May) Variation in antibiotic use and clinical outcomes in infants <60 days hospitalized with skin and soft tissue infections. Poster presented at Pediatric Academic Societies (PAS), San Francisco, CA.

Delahunt, J. & **Mische Lawson, L.** (2017, April). Relationships between Adolescent-reported Physical Activity and Sensory Processing Patterns. American Occupational Therapy Association Annual Conference & Centennial Celebration. Philadelphia, PA.

Ismael, N., **Mische Lawson, L.**, & Little, L. (2017, March). The Relationship between Children with ASD's Sensory Processing Patterns and Their Activity Participation Patterns. American Occupational Therapy Association Annual Conference & Centennial Celebration. Philadelphia, PA.

Nelson, E., Warren, M., & Deckert, C. (2017, June) How-Tos in Pairing Project ECHO and Performance Improvement to Advance Pain Management Across a Rural State. North America Primary Care Research Group, Bethesda, MD.

Nelson, E., Warren, M., & Deckert, C. (2017, September) How-Tos in Pairing Project ECHO and QI to Advance Pain Management Across a Rural State. Alliance for Continuing Education of Health Professions Quality and Innovation Summit (QIS), Park City, UT.

Nelson, E. Using implementation science methods in ECHO evaluation. MetaECHO Conference, Albuquerque, NM, September 2017.

Nelson, E. *KUCTT telemedicine update*. KC Digital Drive Reimbursement Conference. Kansas City, April 2017.

Nelson, E., Wright, S., Gracy, J., & Deckert, C. *Telehealth ROCKS Update*. Kansas Poverty Conference, Topeka, July 2017.

Nelson, E. *Telehospice update*. Kansas Hospice and Palliative Care Organization Conference, Salina, August 2017.

Nelson, E. *Access to Care: Telehealth and Rural Populations*. Southeast Kansas Health Equity Symposium. Independence, September 2017.

Nelson, E. *Technologies in clinical practice*. Midwest Region Health Professions Conference, Pittsburg, October 2017.

Wambach, K., Davis, A., & **Nelson, E.** *The momHealth Feasibility Study*. Midwest Nursing Research Society, Minneapolis, MN, April 2017.

Doolittle, G., **Nelson, E.**, Spaulding, A., & Kuhlman, S. *TeleHospice: Implementation Lessons from Rural Hospice Care with Mobile Tablets*. American Society of Clinical Oncology (ASCO) Conference, Chicago, June 2017.

Doolittle, G., **Nelson, E.**, Spaulding, A., & Kuhlman, S. *TeleHospice: Implementation Lessons from Rural Hospice Care with Mobile Tablets*. KUMC Academic Day, Interprofessional Poster Session, November 2017.

Khan, T., Simpson, M., Twillman, R., Deckert, C., & **Nelson, E.** *Project ECHO (Extension of Community Healthcare Outcomes) for Pain Management: Preliminary Data from a Technology-Enabled Quality Improvement Approach.* KUMC Academic Day, Interprofessional Poster Session, November, 2017.

*Marker, AM, Noser, AE, Calkins, A, Clements, MA, & **Patton, SR.** "eHealth Methodologies for families of young children with type 1 diabetes: Creating sustainable education and intervention practices. Presented at the Diabetes Special Interest Group presentations on *Sustainable Models of Integrated Pediatric Psychology Services in Diabetes Clinic Settings*, Society of Pediatric Psychology Annual Conference, Portland, OR, March 30-April 2, 2017.

Patton, SR, Noser, A, Marker, A, Calkins, A, Nelson, E-L, & Clements, MA. "Reducing hypoglycemia fear in parents of young kids with type 1 diabetes (T1D) using video-based telemedicine: Preliminary findings from REDCHIP. Paper accepted to the 43rd Annual Conference of the International Society of Pediatric and Adolescent Diabetes, Innsbruck, Austria, Oct 18-22, 2017.

Driscoll, K, Bennett-Johnson, S, **Patton, SR,** Hendrickx, C, & Gonder-Frederick, L. "Establishing clinical cut-offs for the hypoglycemia fear survey. Paper accepted to the 43rd Annual Conference of the International Society of Pediatric and Adolescent Diabetes, Innsbruck, Austria, Oct 18-22, 2017.

*Calkins, A, Finch, J, Clements, MA, & **Patton, SR** (2017, March). Psychosocial and adherence predictors of glycated hemoglobin (HbA1c) in adolescents with type 1 diabetes. Poster presented at the Society of Pediatric Psychology Annual Conference, Portland, OR.

*Marker, AM, Noser, AE, Clements, MA, & **Patton, SR** (2017, March). Shared responsibility for diabetes care reduces risk of glycemic excursions in youth. Poster presented at the Society of Pediatric Psychology Annual Conference, Portland, OR.

*Finch, J, Noser, AE, Shea, J, Raymond, J, Clements, MA, & **Patton, SR** (2017, March). Punitive parenting style predicts poorer glycemic control in youth with new onset type 1 diabetes. Poster presented at the Society of Pediatric Psychology Annual Conference, Portland, OR.

*Noser, AE, Calkins, A, Maliszewski, G, Clements, MA, & **Patton, SR** (2017, March). Hypoglycemia fear and limited use of diabetes technologies relate to increased sedentary behavior in young children. Poster presented at the Society of Pediatric Psychology Annual Conference, Portland, OR.

Patton, SR, Noser, AE, Marker, AM, Raymond, J, Shea, J, & Clements, MA (2017, March). Parental depression is associated with maintenance of daily diabetes-specific parental distress in the new-onset period. Poster presented at the Society of Pediatric Psychology Annual Conference, Portland, OR.

Patton, SR, Noser, AE, Raymond, JK, Majidi, S, & Clements, MA (2017, June). Family conflict predicts HbA1c across six months in 5-9 years-olds who are new to type 1 diabetes. Poster presented at American Diabetes Association's 77th Scientific Sessions, San Diego, CA.

Paprocki, E, **Patton, SR,** Staggs, V, & Clements, MA (2017, June). Insulin pumps adherence behaviors do not correlate with glycemic variability in youth. Poster presented at American Diabetes Association's 77th Scientific Sessions, San Diego, CA.

*Garcia, A, Stough, C, Dreyer-Gillette, M, & **Patton, SR** (2017, Oct). Does it fit? The psychometric properties of the brief autism mealtime behavior inventory (BAMBI). Poster presented at the Society of Developmental and Behavioral Pediatrics (SDBP) 2017 Annual Meeting, Cleveland, OH.

*Marker, A, Noser, A, Finch, J, Majidi, S, Clements, M, & **Patton, SR** (2017, Oct). Parent depression and hemoglobin a1c in youth new to type 1 diabetes. Poster presented at the 43rd Annual Conference of the International Society of Pediatric and Adolescent Diabetes, Innsbruck, Austria.

*Noser, A, Driscoll, K, Clements, M, & **Patton, SR** (2017, Oct). Examining a four-factor structure of the fear of hypoglycemia survey for parents of young children (HFS-PYC). Poster presented at the 43rd Annual Conference of the International Society of Pediatric and Adolescent Diabetes, Innsbruck, Austria.

*Noser, A, Driscoll, K, Clements, M, & **Patton, SR** (2017, Oct). "Target is the new low:" Parental hypoglycemia fear and young child glycemic control in T1D. Poster presented at the 43rd Annual Conference of the International Society of Pediatric and Adolescent Diabetes, Innsbruck, Austria.

McDonough, R, Noser, A, Monzon, A, & **Patton, SR** (2017, Oct). Adherence to physical activity recommendations and psychosocial well-being in adolescents with type 1 diabetes. Poster presented at the 43rd Annual Conference of the International Society of Pediatric and Adolescent Diabetes, Innsbruck, Austria.

Patton, SR "Using mHealth to reach parents of young children with type 1 diabetes: Introducing DIPPer Academy," KU Diabetes Institute Symposium, Kansas City, KS. April 2017.

Patton, SR "Type 1 diabetes in toddlers and preschoolers," JDRF Type One Nation Summit. Kansas City, MO. November 2017.

Patton, SR "Type 1 diabetes: What do you fear most?," JDRF Type One Nation Summit. Kansas City, MO. November 2017.

Salley, B., Daniels, D., Murray, L., & Cooper, P. (2017, November). Preliminary efficacy of a book sharing intervention for caregivers and infants. Symposium presented at the annual meeting of the American Speech Language Hearing Association, Los Angeles, CA.

Daniels, D., **Beery, M., & **Salley, B.** (2017, November). Let's look at a book: How caregivers choose books for their infants. Poster presented at the annual meeting of the American Speech Language Hearing Association, Los Angeles, CA.

*Voelmle, K., **Porter, E., **Latta, A. & **Salley, B.** (2017, November). Speaking to Babies in Their First Year of Life: Patterns of Maternal Input. Poster presented at the annual meeting of the American Speech Language Hearing Association, Los Angeles, CA.

*Porter, E., **Voelmle, K., **Latta, A., Daniels, D. & **Salley, B.** (2017, November). Associations between parent book sharing and baby engagement. Poster presented at the annual meeting of the American Speech Language Hearing Association, Los Angeles, CA.

*Dvorak, S., **Miller, T., **Salley, B.** & Daniels, D. (2017, November). Facilitator instructional methods facilitates parents; carry-ver strategy use in book sharing with toddlers. Poster presented at the annual meeting of the American Speech Language Hearing Association, Los Angeles, CA.

*Latta, A., **Porter, L., **Voelmle, K., **Salley, B.**, & Daniels, D. (2017, November). The effects of dialogic book sharing intervention on maternal responsivity and infant communication. Poster presented at the annual meeting of the American Speech Language Hearing Association, Los Angeles, CA.

*Voelmle, K. & **Salley, B.** (2017, April). Infant social engagement behaviors during caregiver interaction and language outcomes. Poster presented at the international meeting of the Society for Research in Child Development, Austin, TX.

Salley, B. & **Voelmle, K. (2017, April). Temperament contributions to emerging joint attention. Poster presented at the international meeting of the Society for Research in Child Development, Austin, TX.

*Loke, S. W., **Lockwood, A., **Jobickson, L., **Salley, B.** & Smith, C. (2017, February). Diagnoses and age-group differences in children clinically-referred for ASD. Poster presented at the National Association of School Psychologists, New Orleans, LA.

*Loke, S. W., **Lockwood, A., **Jobickson, L., Smith, C. & **Salley, B.** (2017, February). Sex differences between children with and without ASD. Poster presented at the National Association of School Psychologists, New Orleans, LA.

*Porter, E., **Voelmle, K., **Latta, A., Daniels, D. & **Salley, B.** (2017). Associations between Parent Book Sharing and Baby Engagement. Poster submitted for presentation at the annual meeting of the Kansas American Speech Language Hearing Association, Overland Park, KS.

*Dvorak, S., **Miller, T., **Salley, B.** & Daniels, D. (2017). Fidelity of facilitator implementation during a book sharing intervention for infants. Poster submitted for presentation at the annual meeting of the Kansas American Speech Language Hearing Association, Overland Park, KS.

Salley, B. (2017, December). Book Sharing to Promote Language and Attention: Preliminary results of an intervention for parents and infants/toddlers. Presented at the Kansas Center for Autism Research and Training (KCart/KIDDRC) Seminar, Kansas City, Kansas.

Shook, R. P., Hollis, J., **Thyfaut, J. P.**, Peterson, C., Mork, C., Lansing, J., Perez, M., Nordstrom, K., & Ellingson, L. D. (2017). Variable responses in appetite control following clinically-induced 14-day periods of sedentary behavior and physical activity. Paper presented at the Obesity Society Annual Meeting, Washington, D.C.

Shook, R. P., Hand, G. A., **Thyfaut, J. P.**, Phillips, T., & Blair, S. N. (2017). Unexpected weight gain following long term increased MVPA is linked to elevated respiratory quotient. Paper presented at the American College of Sports Medicine Annual Meeting, Denver, CO.

Allan C, **Staggs VS**, Rogers E, Perez Crawford T, Moody S, Schutte GM, Nadler C. (2017, Nov.) A systematic adaptation of the Summer Treatment Program: Evaluating parenting efficacy, tolerability, and effectiveness of a home daily report card intervention. Poster presented at the 51st Annual Convention of the Association for Behavioral and Cognitive Therapies, San Diego, CA.

Paprocki E, **Patton S**, **Staggs VS**, Clements M. Insulin pump adherence behaviors do not correlate with glycemic variability. Poster presented at the American Diabetes Association's 77th Scientific Sessions, San Diego, CA. 2017, June.

Khoury M, Robinson AL, **Staggs VS**, Dunoski B, Pacicca D. Changes in anatomic relationship of the two bundles of the ACL for surgical reconstruction guidelines. Presented at the Annual Meeting of the Arthroscopy Association of North America, Denver, CO. 2017, April.

Jacobson JD, Dai H, Moser C, Turpin A, Garg U, **Halpin K**, **Staggs VS**, Heckert LL. Elevations in adrenal androgens and progestogens in female to male transgender patients. Poster presented at the 99th Annual Meeting of the Endocrine Society, Orlando, FL. 2017, April.

Staggs VS. Beyond Bland-Altman: Advances in assessing agreement between two raters or methods of measurement. Invited presentation at the 10th Annual Innovations in Design, Analysis, and Dissemination: Frontiers in Biostatistics conference. 2017, Apr.

Khoury MN, **Staggs VS**, Robinson AL, Dunoski BS, Pacicca DM. The relationship of anterior cruciate ligament insertion sites to the distal femoral growth centers: an MRI study. Poster presented at the 36th Annual Meeting of the Orthopaedic Research Society, San Diego, CA. 2017, March.

Khoury MN, Robinson AL, **Staggs VS**, Dunoski BS, Pacicca DM. The relationship of the posterior cruciate ligament insertion site to the proximal tibia growth centers: an MRI study. Poster presented at the 36th Annual Meeting of the Orthopaedic Research Society, San Diego, CA. 2017, March.

Mehyar F, Wilson S, **Staggs VS**, Aoyagi K, Sharma N. Measuring lumbar mobilization with inertial measurement unit. Poster presented at the Combined Sections Meeting of the American Physical Therapy Association, Austin, TX. 2017, February.

Sweeney, B., "Parent adverse childhood experiences in pediatric weight management". Annual Meeting of The Obesity Society. Washington, DC. Nov 2017.

Sweeney, B., "Predictors of cardiometabolic risk in pediatric weight Management family behavioral interventions". Annual Meeting of The Obesity Society. Washington, DC. Nov 2017.

Sweeney, B. "Lipid Management in Children with Obesity". Children's Mercy Resident Conference. Kansas City, MO. Nov 2017.

Sweeney, B., "One Size Doesn't Fit All: Practical & Ethical Considerations in Adapting Evidence Based Weight Management Interventions for Children with Disabilities". Society for Developmental and Behavioral Pediatrics. Cleveland, OH. Oct 2017

Sweeney, B., "Primary Care Weight Management". Children's Mercy Resident Conference. Kansas City, MO. Aug 2017.

Sweeney, B., "Demographic and Behavioral Correlates of Weight Status by Geographic Area in Primary Care". Pediatric Academic Society Conference, San Francisco, CA. May 2017.

Thyfault, JP "Exercise, Fitness, and Hepatic Mitochondrial Energetics. Symposium Title: Cellular energy basis as a basis for metabolic (Dys)Regulation." The American Diabetes Association Annual Meeting: San Diego, CA, June 12, 2017

Waddell J, McCulloh R, Goldman J, Lee B, Teachout W. Comparative Analysis of Initial Antibiotic Dosing Among Healthy Weight, Overweight, and Obese Children with Osteomyelitis. IDWeek™2017. San Diego, CA, October 4-8, 2017. Poster presentation.

Wallace, D. P. Building Psychological Flexibility: ACT for Adolescents and their Parents. May, 2017. Invited presentation, Clinical Child Psychology Program. University of Kansas, College of Liberal Arts & Sciences, Lawrence, KS

Wallace, D.P. Understanding and Addressing Psychosocial Factors in Teens with Amplified Pain. April, 2017 Invited workshop, Therapeutic Management of Amplified Pain Syndromes. Children's Mercy Hospital, Kansas City, MO

White, David A. "Secondhand Tobacco Smoke Exposure on Cardiovascular Health in Children and Adolescents." Kansas Chapter of the American Academy of Pediatrics (KAAP), Progress in Pediatrics annual symposium, Overland Park, KS, April 21st 2017.

White, David A. "Exercise Physiology in Clinical Stress Testing." Children's Mercy Cardiac Advances Nurse Practitioner Lunch & Learn. Kansas City, MO, March, 2017.

Suma Goudar, Daniel E. Forsha, **David A. White**, Mark Gelatt, Tyler Johnson, Rita France, William L. Chew, Girish S. Shirali. Correlation of echocardiographic measurements to exercise parameters in Fontan children: A prospective, blinded study. Presented at the American Society of Echocardiography, Nashville, TN, 2017.

David A. White, Omar Qayum, Chizitam F. Ibezim, Ashley Sherman, Gautam M. Anand, Geetha Raghuvver. Hypertriglyceridemic waist phenotype predicts vascular health in youth with dislipidemia. Presented at the World Congress for Pediatric Cardiology and Cardiac Surgery. Barcelona, Spain, 2017.

David A. White, Youngha Oh, Erik A. Willis. The effect of physical activity bout patterns on blood lipids in youth: NHANES 2003-2006. Presented at the World Congress for Pediatric Cardiology and Cardiac Surgery. Barcelona, Spain, 2017.

David A. White, Kimberly J. Reid, Erik A. Willis. Physical activity bout patterns from childhood through adolescence: NHANES 2003-2006. Presented as a thematic poster at the American College of Sports Medicine Conference. Denver, CO., 2017.

Kelli M. Teson, **David A. White**, Jessica S. Hall, Suma P. Goudar. Relationship between self-reported physical activity levels and exercise capacity in pediatric Fontan patients. Presented at the American College of Sports Medicine Conference. Denver, CO., 2017.



center for children's
healthy lifestyles &
nutrition

Background

Mission

The **Center for Children's Healthy Lifestyles & Nutrition** seeks to become a leading voice in the local, regional and national movement to prevent and treat childhood obesity and to focus on all issues related to pediatric health and healthy lifestyles. Our primary goal is to contribute new knowledge regarding pediatric healthy lifestyles ranging in scope from its biological origins to its societal impact. Research currently conducted in the Center includes evidence-based, comprehensive studies of the assessment of behavior, nutrition and physical activity interventions on prevention and treatment of pediatric obesity, the study of parenting aspects of the control of Type I Diabetes in youth, the development and analysis of public policy pertaining to pediatric obesity, the development of programs to engage communities, and the provision of leadership regarding education related to prevention and treatment of healthy lifestyles in children and families. We are committed to reaching all children in our area, especially those in underserved, ethnic minority, low-income communities, and in assisting others to do so.

Kansas City's Center for Children's Healthy Lifestyles & Nutrition represents an extension of the committed collaboration in the area of pediatric obesity research between two neighboring institutions who serve the health needs of children across the bi-state region of Missouri and Kansas. Supported by a state-of-the-art facility, team members at the University of Kansas Medical Center and the Children's Mercy Hospital as well as other local institutions come together to work on solving some of the most important health problems facing children and families in our region. The Center is poised to serve as a leader for healthy lifestyles programs and research efforts in the Midwest and as a centralized resource for community members, academic and business leaders who are interested in arresting the current rates of childhood obesity and moving forward to ensure the healthy lifestyles and nutrition of all children.

Facilities



The Center for Children’s Healthy Lifestyles & Nutrition is located at 610 E 22nd Street in Kansas City, Missouri at the Donald Chisholm Center. It is a 14,000 square foot facility designed to support clinical and bench research, individual clinical and group educational interventions and house faculty and research staff. The Center’s 800 square foot demonstration kitchen features four prep stations, each with a GE Profile refrigerator and microwave. The kitchen contains four oven/stove/exhaust hood combinations and two dishwashers. The 500 square foot wet lab features extensive countertop space, an exhaust hood and a -80 degree freezer. Testing rooms contain an indirect calorimeter, treadmill and DEXA. Clinical exam rooms and a waiting room are also available. The Center’s 2400 square foot exercise facility features treadmills, stationary bicycles, elliptical trainers and weight machines, and has a large area for group physical activity. Locker rooms, showers and laundry facilities are also available. The Center provides conference room facilities for 10-50 attendees, and a second room that can seat up to 50.

The **Center for Children’s Healthy Lifestyles & Nutrition** is composed of 5 key program areas: Education, Research, Advocacy, Community and Clinical.

ADVISORY COMMITTEES: The Center has two administrative committees.

Our Internal Advisory Board (assigned by the Dean and the CEO of CMH in the legal agreement that forms the Center) includes Dr. Denise Dowd (Associate Medical Director of Faculty Development, Office of Faculty Development, CMH; Director of Research, Emergency Medicine, CMH; Professor of Pediatrics, UMKC) and Dr. Peter Smith (Professor, Senior Associate Dean for Research; Co-Director, Kansas Intellectual and Developmental Disabilities Research Center Founding Director, Institute for Neurological Disorders, Department of Molecular and Integrative Physiology, KUMC). On the Children’s Mercy side the Center reports to Dr. Kathy Goggin (Ernest L. Glasscock, MD, Endowed Chair in Pediatric Education and Research; Deputy Director, Children’s Research Institute; Associate Chair for Research, Department of Pediatrics; Director of Health Services and Outcomes Research; Children’s Mercy Kansas City and Professor, SOM and Pharmacy, UMKC) who is also extremely helpful in our work.

Our Scientific Advisory Board (which was formed in 2015 per our 5 year plan for the CHLN) is composed of 3 national experts in our field from clinical, basic and translational work. They participate in two annual meetings with our team (one in person and one virtual) and consult with our teams throughout the year on specific projects. SAB members include:

Sean Adams, PhD

Director, Department of Pediatrics
Section of Developmental Nutrition
University of Arkansas for Medical Sciences

The Arkansas Children’s Nutrition Center, a partnership of the Arkansas Children’s Hospital and the USDA-Agricultural Research Service, is a translational research center that studies child development, especially the very early effects of diet and lifestyle on prevention of childhood diseases and adult diseases that initiate early in life. Dr. Adams’ research interests are in the area of metabolic physiology.

Katherine K. Christoffel, MD, MPH

Professor Emeritus in Pediatrics-Smith Child Health Research
Northwestern University Feinberg School of Medicine

Dr. Christoffel's current research interests lie in 1) understanding the relationship between community factors and clinical ones, particularly related to childhood obesity; 2) early origins of childhood obesity; 3) means to intervene to reduce obesity and its co-morbidities in young children; 4) the effects of community based interventions on obesity prevalence and health behaviors.

Denise Wilfley, PhD

Professor, Depts. of Psychiatry, Medicine, Pediatrics and Psychology
Washington University in St. Louis

Dr. Wilfley's program of research centers on the causes, prevention, and treatment of eating disorders and obesity among children, adolescents, and adults. Current programs of research include: (1) the classification, characterization, assessment, and risk factors of eating and weight disorders; (2) the development of effective treatments for individuals suffering from eating disorders and obesity; and (3) the development of innovative and cost-effective methods for early intervention and prevention of eating disorders and obesity.